AIRS MEDICAL

SwiftMR Enterprise Case Studies

Three enterprise MRI challenges. Three measurable outcomes.
How leading U.S. imaging organizations improved MRI performance across their existing scanner fleets.

From enterprise-wide deployment and clinical adoption to increased throughput and capital conservation, discover how SimonMed Imaging, MedStar Health, and Invision Sally Jobe are using SwiftMR® to address real-world imaging challenges.

SimonMed

MedStar Health

INVISION SALLY JOBE
Imaging by RIA and HealthONE

SwiftMR is FDA 510(k) cleared to support images with scan time reduction by up to 50%.
Individual results vary by scanner, field strength, sequence, and protocol.

Financial inefficiencies across a mixed scanner fleet

Enterprise imaging organizations operate mixed MRI environments across hospitals, outpatient centers, and acquired sites, with different manufacturers, scanner generations, field strengths, software levels, and existing AI investments. That variation creates real financial inefficiency.

- Unused capacity
- Fragmented technology investments
- Higher staffing and operating costs
- Capital deployed sooner than necessary
- Premature upgrade or replacement spend

How three networks built one MRI standard with SwiftMR

Each network in this booklet ran a mixed fleet like this. Rather than upgrading or replacing scanners one at a time, each added SwiftMR, vendor-neutral deep-learning MRI reconstruction, to the scanners it already had. The case studies that follow show how that delivered:

SimonMed

Enterprise deployment of a diverse scanner fleet across 200+ sites in 10 days.

MedStar Health

40% shorter MRI protocols, with a radiologist-led, 60-day clinical evaluation of their hardest cases.

INVISION SALLY JOBE
Imaging by RIA and HealthONE

29% higher patient throughput, without spending $1.5M+ on a new scanner.

Each one also shows how the network evaluated SwiftMR and won over its radiologists, technologists, and IT teams before scaling.

SimonMed

A mixed MRI fleet, brought to one standard on every scanner in 10 days

SimonMed Imaging runs one of the largest outpatient MRI networks in the U.S. It wanted one MRI standard across its whole fleet, without replacing it.

Challenge

The same patient, a different scanner

SimonMed built its network over decades, and its MRI fleet shows it: several manufacturers and field strengths, legacy scanners beside newer ones, some already running OEM deep learning. Each renders images a little differently in appearance, signal, and noise.

That matters most when a patient comes back. Someone scanned at one center may return years later to another, and when a physician is following a small finding, the variation makes the two exams harder to compare. Sending every patient back to the same scanner doesn't work across a national network.

Solution

One standard, switched on everywhere at once

So SimonMed looked for a single layer that could sit across the whole fleet, with no new hardware and no scanner-by-scanner OEM upgrades. It evaluated the leading MRI AI solutions and chose SwiftMR as the one that met that bar.

With that conviction, SimonMed went enterprise-wide at once. Every MRI scanner moved to SwiftMR together, on infrastructure SimonMed already owned and alongside its existing OEM deep learning solution.

Result

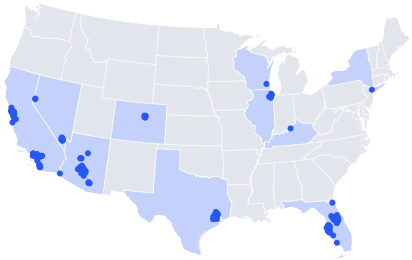
A baseline that follows the patient

Within 10 days, SwiftMR was live on every MRI scanner across more than 200 centers. Because every scanner now produces consistent images, a change measured between exams reflects the patient, not the machine, even when the first scan was in Florida and the next is in California years later.

That consistency lays the foundation for SimonMed's future ambitions with quantitative MRI: measuring anatomy the same way at every center, tracking how it changes from one exam to the next, and, in time, turning those trends into predictive insight.

10 days
to go live on every MRI scanner

200+
imaging centers on SwiftMR



Imaging centers in 10 states

> "We rigorously evaluated every major solution in the market, and this was a clear decision."

Dr. Sean Raj
Chief Medical Officer and Chief Innovation Officer, SimonMed Imaging

Testimonials reflect SimonMed Imaging's own experience.

MedStar Health

40% shorter MRI scans, approved by radiologists on their hardest cases

MedStar Health needed the same image quality from every scanner, old and new, without paying to replace the old ones.

Challenge

A fleet it couldn't afford to replace

MedStar Health runs imaging across 10 hospitals and more than 90 locations, and much of that network came through acquisition. Each community center brought its own scanners, so image quality varied from site to site, and radiologists needed it consistent everywhere.

Upgrading the older scanners was the obvious fix, and too expensive. MedStar wanted to raise image quality across every scanner type without a major capital investment.

Solution

A rollout that earned radiologists' trust first

Because SwiftMR changes how images are acquired, radiologists had to trust it before anyone else would. MedStar ran a 60-day evaluation with a lead radiologist each for neuro, body, and MSK, comparing standard and SwiftMR images every week. The same trial put SwiftMR head-to-head with the deep-learning reconstruction MedStar's scanner vendor offers, and radiologists chose SwiftMR. The team deliberately pulled difficult lesion cases, and radiologists approved every protocol before it went live.

Once radiologists signed off, IT and technologists came next. A single cloud deployment, managed by MedStar IT, now serves 13 scanners across inpatient and outpatient sites, and if the network drops, scanning continues on the standard protocol. For the first two weeks, technologists ran SwiftMR protocols alongside the standard ones. Within three months, SwiftMR protocols had become the standard.

Result

Older scanners that keep up with new ones

With SwiftMR, MedStar's older and 1.5T scanners now deliver image quality comparable to its newest 3T systems. Total protocol time fell 38% on the inpatient scanner and 39% on the outpatient one. Outpatient sites moved to 20-minute slots and see more patients each day without new scanners or staff, while inpatient sites stay on schedule with room for STAT exams.

Scan times for every protocol: p. 6

40%
scan time reduction, inpatient and outpatient

20 min
outpatient appointment slots

> "Reviewing challenging cases… helped transform early skepticism into confidence."

MedStar Health, RSNA 2025

Presented by MedStar Health at RSNA 2025.

INVISION SALLY JOBE
Imaging by RIA and HealthONE

Rising MRI demand met with 29% more throughput, without a new scanner

Invision Sally Jobe added MRI capacity on its existing scanners instead of buying another.

Challenge

Demand moving faster than the capital plan

Invision Sally Jobe runs imaging centers across the Denver area with Radiology Imaging Associates. As MRI demand surged at Southwest, Littleton, and Golden, ISJ needed capacity quickly, but it plans equipment purchases years ahead, so a new scanner was no quick answer.

The goal was to cut 10 to 15 minutes from each exam on the scanners it already had, without giving up image quality.

Solution

Three ways to add capacity

ISJ weighed three options: buy a new scanner, upgrade its existing ones through the OEM, or add SwiftMR to the scanners it already had.

New scanner	OEM upgrade	SwiftMR
$1.5M+	**$550K+**	**Minimal**
Per scanner, more than 3 years to ROI	Per scanner ($400K+ software, $150K+ AI), 2–3 years to ROI	Upfront cost, ROI in weeks

It chose SwiftMR for its minimal upfront cost and no scanner downtime. ISJ's radiologists and technologists then worked side by side with AIRS Medical's applications specialists to build new protocols, so every faster exam met their own standard for image quality.

Result

More patients, seen sooner

Lumbar spine exams fell by nearly half on both scanner types, from 20 minutes to just over 10 on the Siemens Aeras. In the first three months, patient throughput across the three locations rose 29%, wait times shortened, and images stayed as sharp or sharper.

Scan times for every protocol: p. 6

Cost estimates reflect customer feedback and industry standards; actual costs vary by vendor, fleet, and contract. Results based on data from three Denver-area ISJ locations; individual outcomes may vary. Throughput based on the first three months post-implementation.

$1.5M+
capital expense avoided

Weeks
to ROI

"SwiftMR helped us achieve dual objectives — improving efficiency while conserving capital. We're operating more seamlessly on the same devices."

Geoff Lawton
CEO, Invision Sally Jobe

Scan time reduction

Every minute cut from a protocol is capacity on a scanner you already own: more slots each day and shorter waits, without new hardware or staff.

MedStar Health	Inpatient			Outpatient		
Protocol	Before	After	Reduction	Before	After	Reduction
Brain W&WO	28:56	19:41	↓ 32%	19:09	14:18	↓ 25%
C-spine WO	21:06	11:49	↓ 44%	20:31	12:01	↓ 41%
L-spine WO	21:34	11:59	↓ 44%	10:47	07:04	↓ 34%
Shoulder	16:14	10:31	↓ 35%	18:23	09:37	↓ 48%
Knee	20:13	11:54	↓ 41%	20:32	12:21	↓ 40%

Times measured on one inpatient and one outpatient Siemens MAGNETOM Aera 1.5T scanner.

INVISION SALLY JOBE Imaging by RIA and HealthONE	Siemens Aera 1.5T			GE Optima 1.5T		
Protocol	Before	After	Reduction	Before	After	Reduction
Brain W&WO	23:10	15:09	↓ 35%	27:07	17:21	↓ 36%
C-spine	16:05	9:50	↓ 39%	17:35	11:06	↓ 37%
L-spine	20:06	10:35	↓ 47%	18:20	10:04	↓ 45%
Shoulder	18:39	9:59	↓ 46%	20:57	12:03	↓ 42%
Knee	17:47	9:39	↓ 46%	22:46	13:43	↓ 40%
Average			↓ 43%			↓ 40%

Siemens Aera 1.5T times from the Southwest and Littleton locations; GE Optima 1.5T times from Golden.

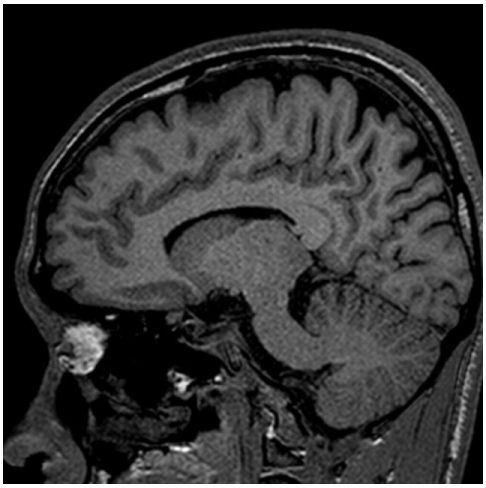
Image gallery

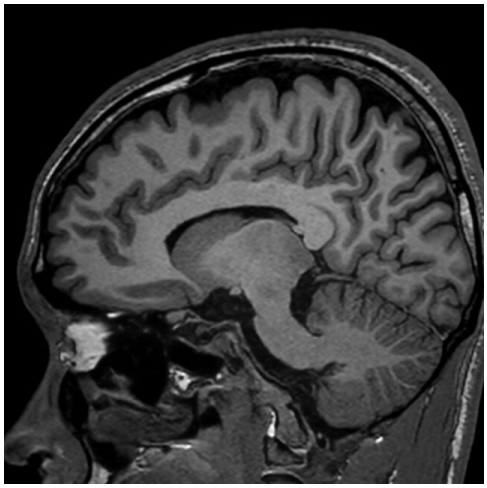
Conventional | SwiftMR

Brain T1

1.5T Siemens
MAGNETOM Avanto
3D MPRAGE

Conventional		4:34
SwiftMR	↓ 41%	2:43

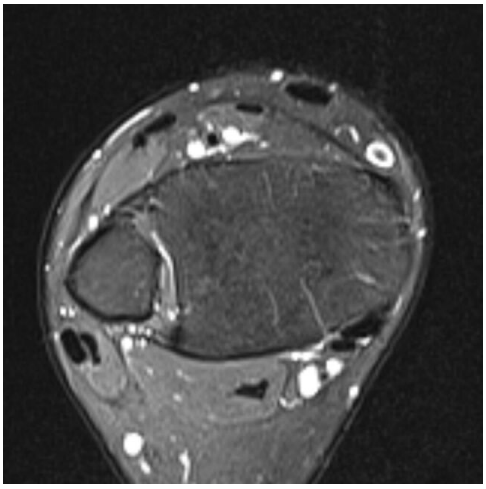


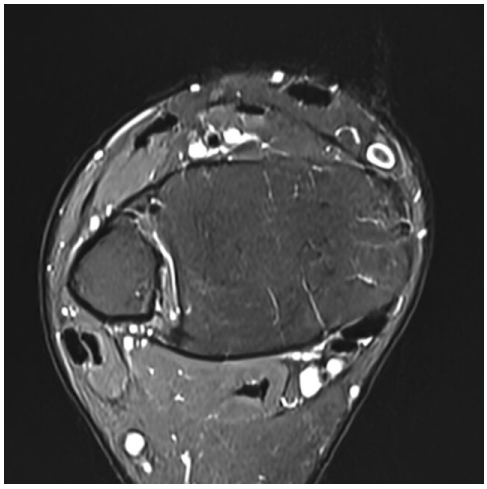


Ankle PD fat-sat

1.5T Siemens
MAGNETOM Essenza
2D TSE

Conventional		3:58
SwiftMR	↓ 49%	2:01

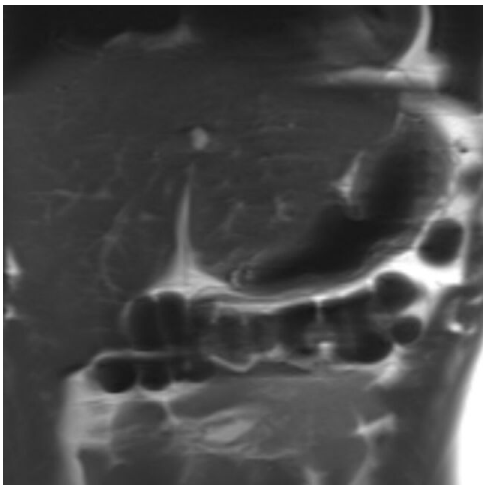


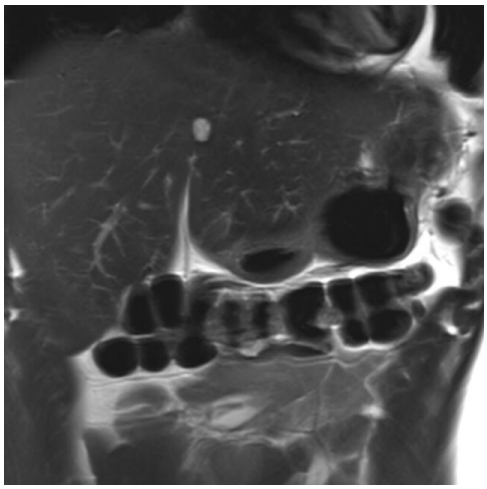


Liver T2

3T Siemens MAGNETOM Skyra
2D HASTE
One breath-hold instead of two

Conventional		0:33
SwiftMR	↓ 48%	0:17





AIRS MEDICAL

What could one standard do for your fleet?

Book an MRI Fleet Opportunity Review. We'll map your scanners, protocols, and sites, and model the scan-time and capacity impact before you commit.

airsmed.com/enterprise-mri →

Contact us

For healthcare professionals. Results reflect individual customer measurements and vary by scanner, field strength, sequence, and protocol; individuals should not expect identical results. Cost and ROI estimates reflect customer feedback and industry standards. SwiftMR is FDA 510(k) cleared to support images with scan time reduction by up to 50%. MedStar Health findings were presented by MedStar Health at RSNA 2025. Customer testimonials reflect each organization's own experience.