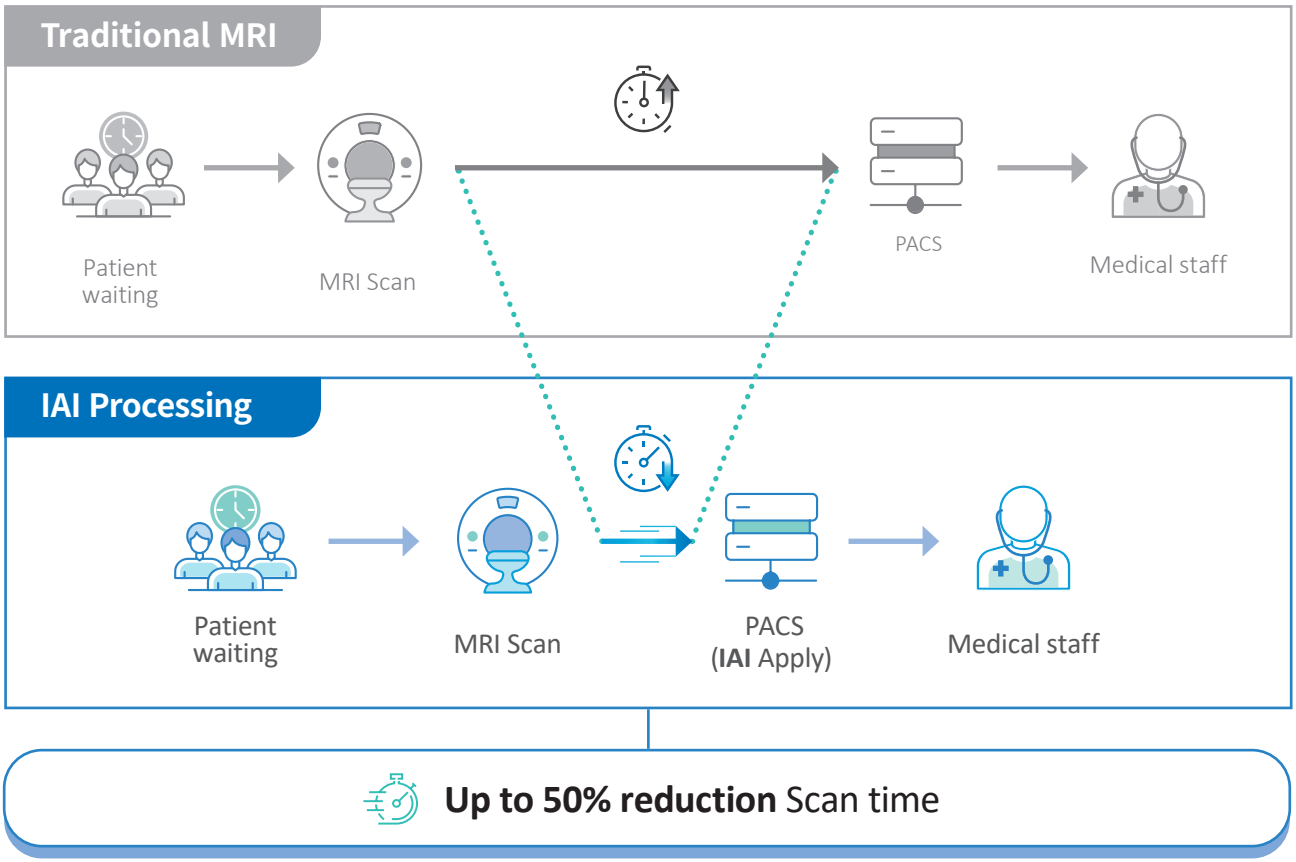
IAI Innovative AI

Powerful MRI Accelerating Solution
Using deep learning models

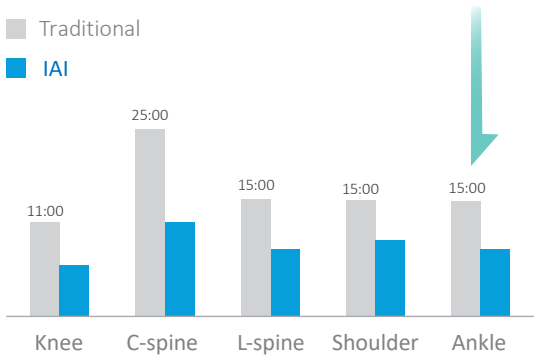
SG HealthCare

MRI upgrade, in just one click.
Improve both scan time and image quality.



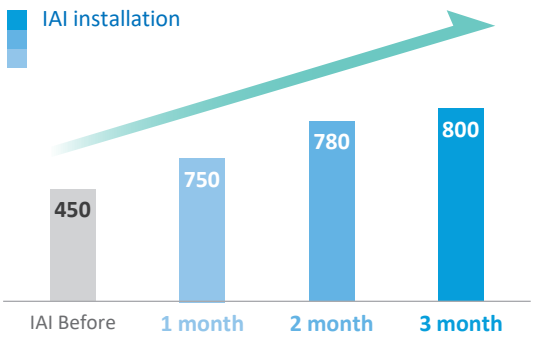
Up to 50% reduction Scan time

Reduced recording time by protocol



- Reduced frequency of retakes
- Reduced waiting time
- Significantly shortened MRI scan time

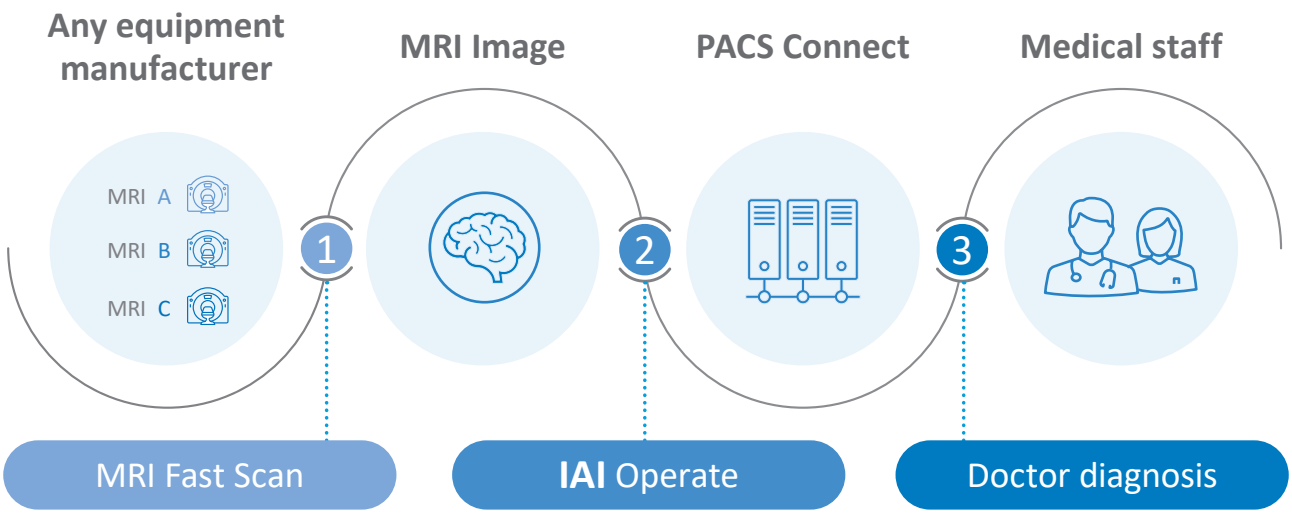
Number of MRI scan per month



- Increase sharpness
- Excellent noise improvement
- Motion artifact correction effect

Accelerated Scan support for excellent image quality and save your time.

How to use IAI



FAQ

What is the range of MRI equipment supported by IAI?

Since IAI works based on PACS and DICOM, not MRI equipment, there is no compatibility issue depending on the manufacturer/model of the MRI equipment.

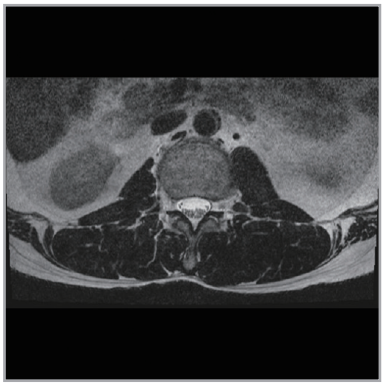
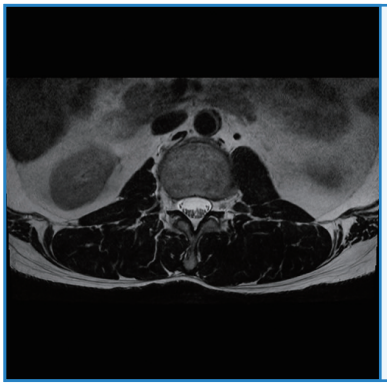
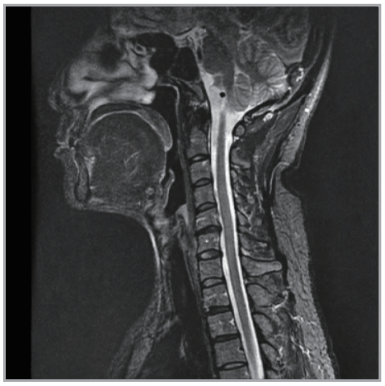
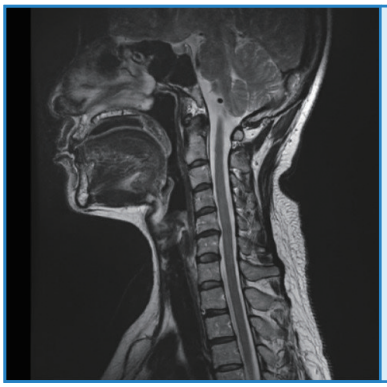
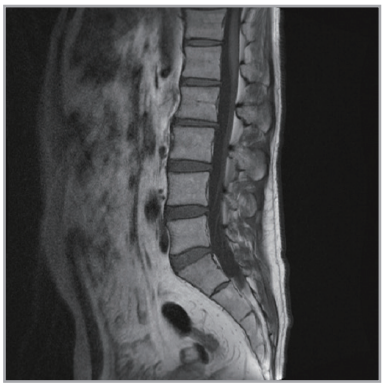
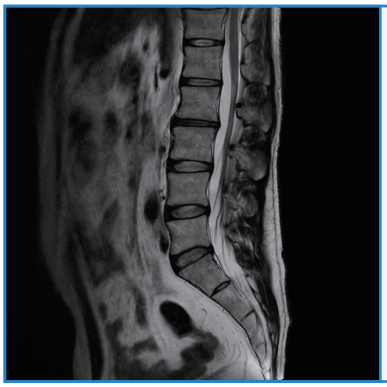
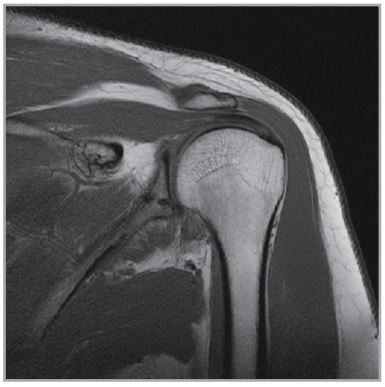
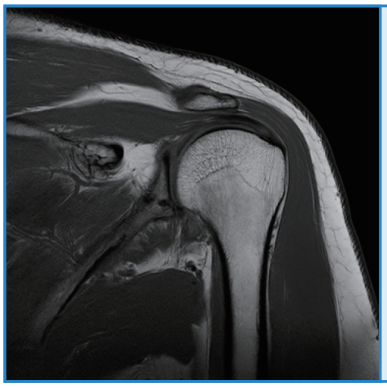
Is it possible to improve the quality of images recorded at constant speed rather than accelerated images?

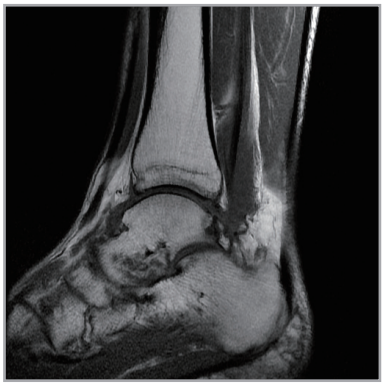
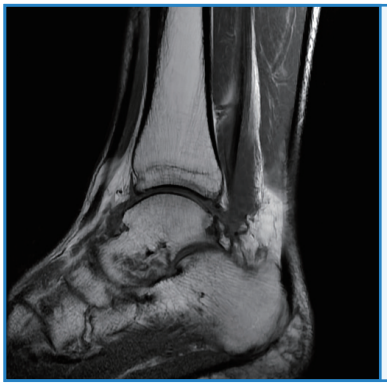
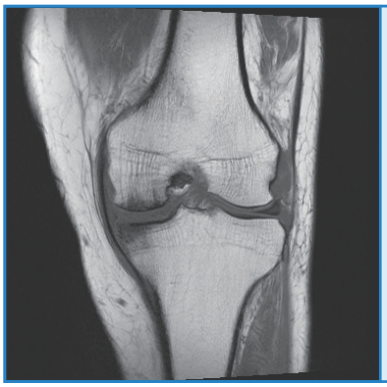
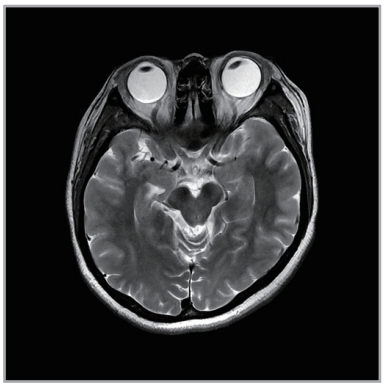
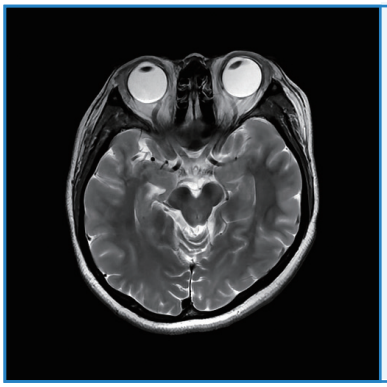
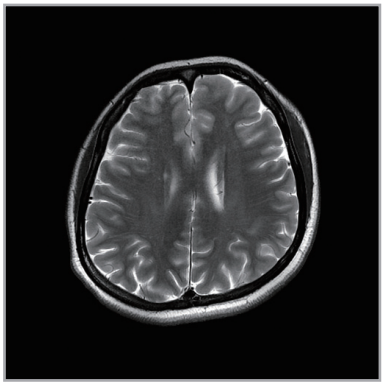
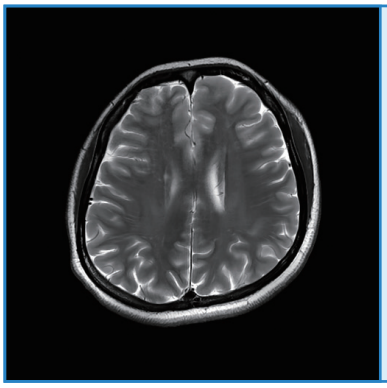
Yes, it is possible. The processing principle of IAI is to identify and reduce noise in the image and increase the clarity of the structure. Accordingly, Even if the signal-to-noise-ratio (SNR) of images shot at a constant speed is low, clearer images can be obtained during IAI processing.

How long does IAI processing take?

IAI uses a cloud-based deep learning inference model. The processing speed of the deep learning model is less than 1.0 second per slice, and 4~5 minutes are sufficient to process the entire MRI study. However, there may be slight differences depending on the network speed of the hospital.

Fast scan time
High image quality after processing

Standard	IAI	
		L SPINE AXL_IAI
		C-SPINE_IAI
		L SPINE_IAI
		SHOULDER_IAI

Standard	IAI	
		ANKLE SAG T1_IAI
		KNEE_IAI
		BRAIN AXL T2_IAI
		BRAIN AXL T2_IAI_1

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