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ABOUT UIH

At United Imaging, we develop and produce advanced medical products, digital healthcare solutions, and intelligent solutions that cover the entire process of imaging diagnosis and treatment. Founded in 2011 with global headquarters in Shanghai, our company has subsidiaries and R&D centers across China, the United States, and other parts of the world. With a cutting-edge digital portfolio and a mission of broader access to healthcare for all, we help drive industry progress and bold change.

To learn more, visit https://www.united-imaging.com

UNITED IMAGING

uMR 770

3.0T MRI

Agile. Accessible.

uMR 770 | uCS 2.0

3.0T MRI driven by uCS.

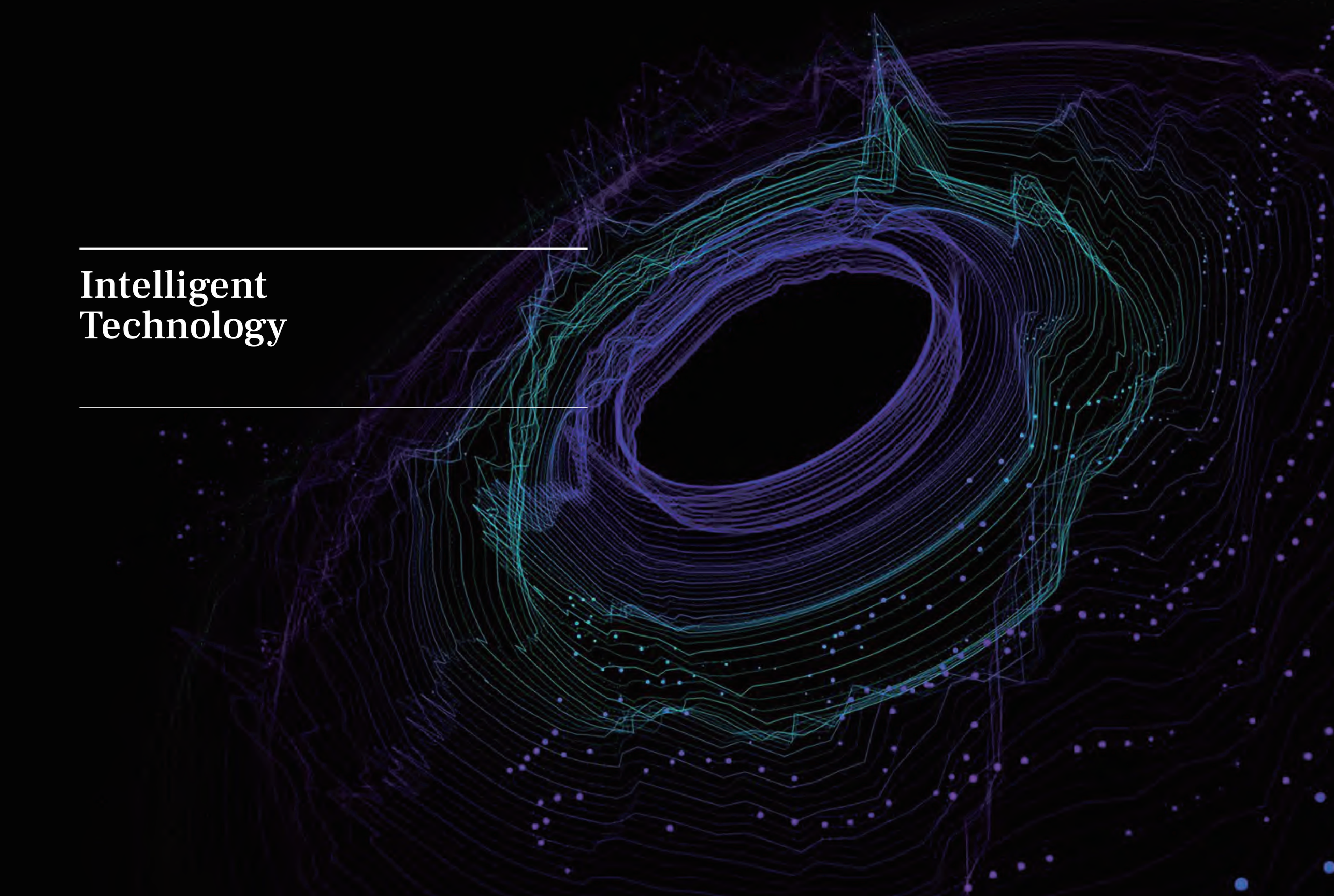
Driven by intelligent technology and uCS$^{2.0}$ imaging platform, uMR 770 is setting a new standard for 3.0T superconducting MRI.

| Intelligent Technology

| uCS$^{2.0}$ Imaging Platform

| Comprehensive Clinical Application

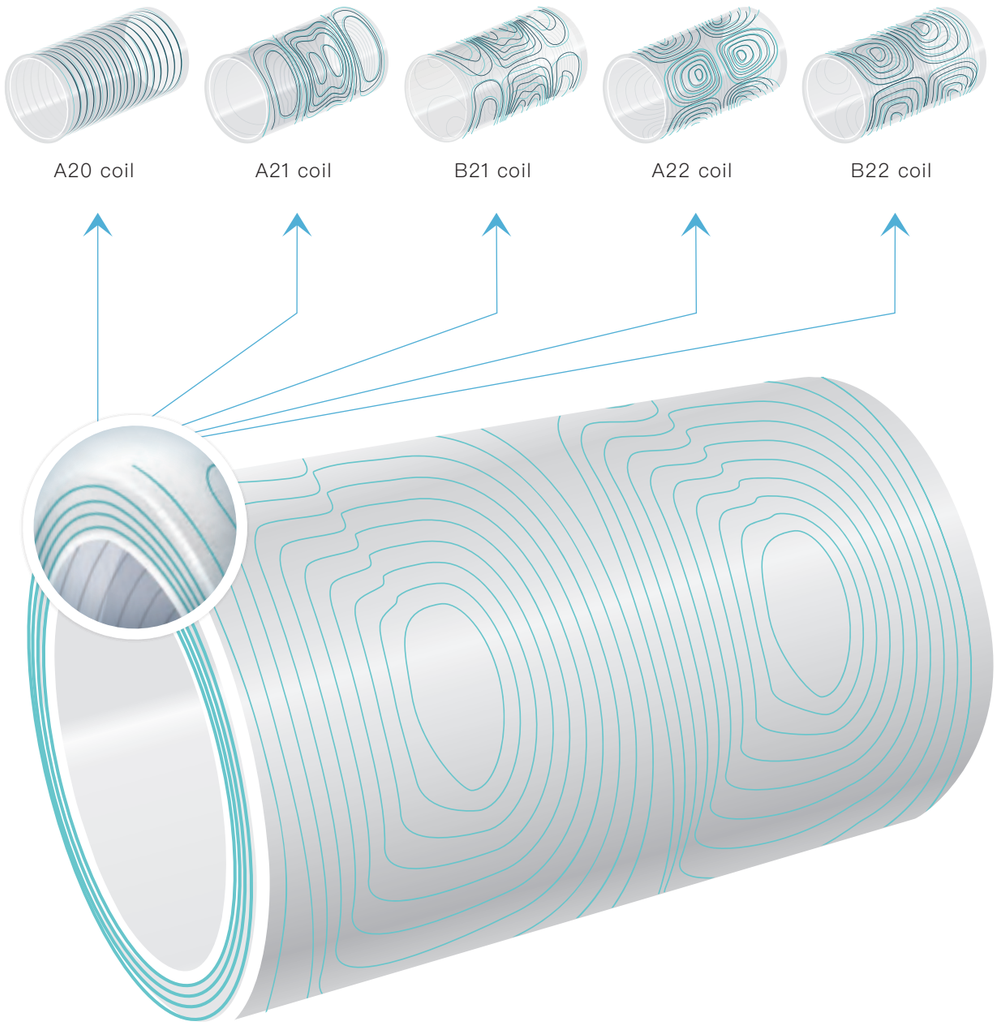
Intelligent Technology



Intelligent Magnet Technology

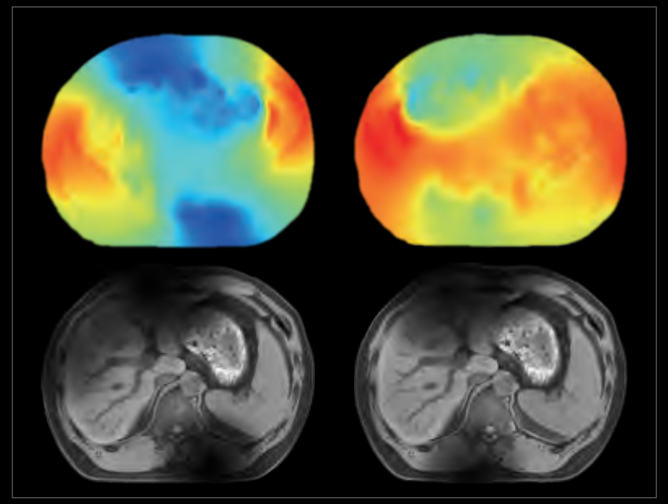
uMR 770 provides 3-channel linear first order shimming and 5-channel high order shimming. The extra five groups of coils can provide precise curved magnetic field, which can adjust the B0 magnetic field according to different human bodies, different parts and different sequences intelligently.

uMR 770 also can reach 50×50×50 cm FOV with high homogeneity and excellent image quality.

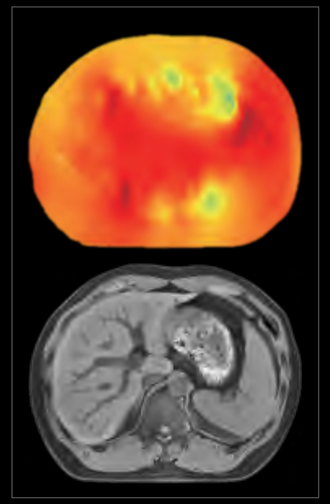


Intelligent RF Technology

Intelligent RF transmission is created with multiple RF amplifiers & independent transmit channel system architecture. This makes it possible to adjust the amplitude, phase, and waveform of the RF pulse, delivering an adaptive protocol customized for each patient.



Traditional RF transmission
Nonuniform RF distribution



Intelligent RF transmission
Uniform RF distribution

Intelligent RF transmission also can help to achieve special RF optimization of anatomy by customizing RF adaptation for the head, spine, abdomen, pelvis, breast, and joints to lead better image quality for each individual patient.

Head

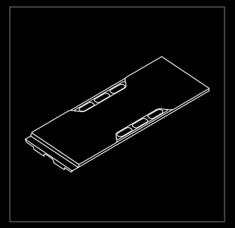
Spine

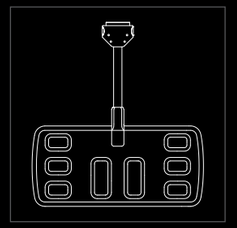
Abdomen

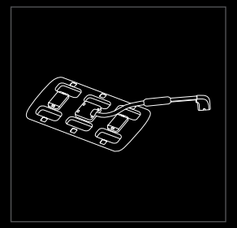
Pelvis

Breast

Joint







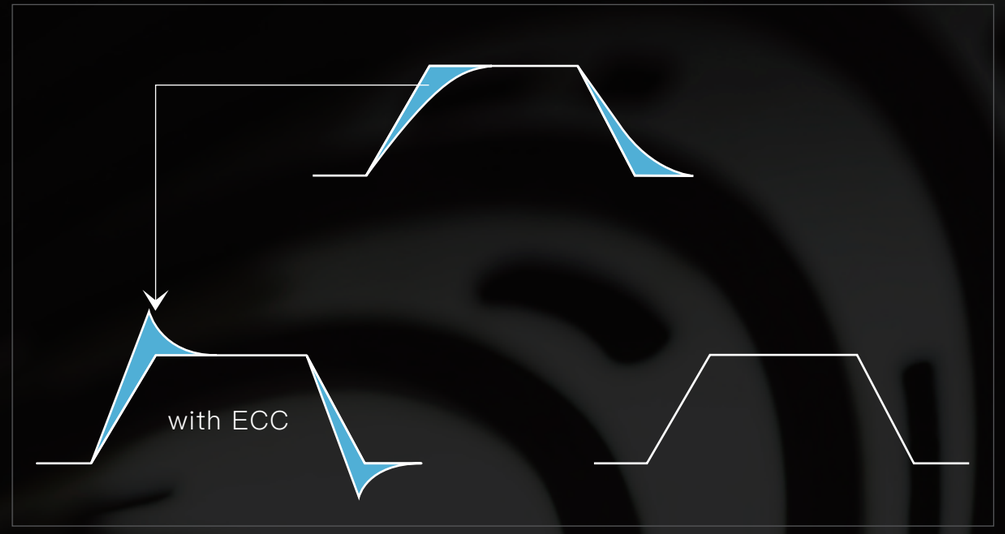
Intelligent Gradient Technology

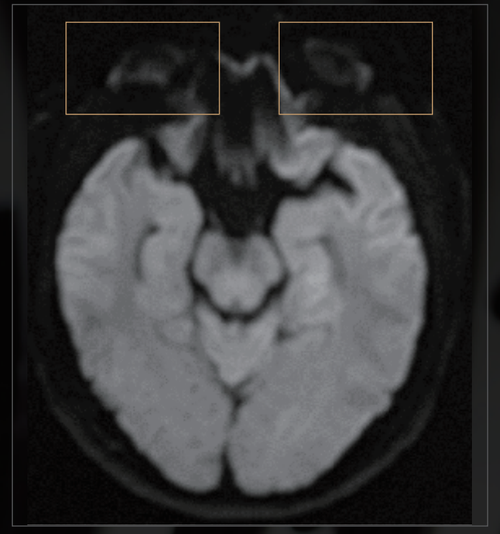
Real-time Intelligent eddy current compensation

Eddy current prediction, real-time intelligent eddy current compensation

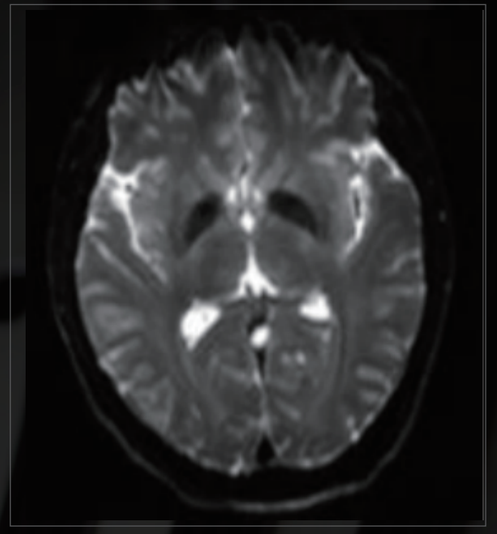
Fast imaging with high gradient linearity and shorter TE

Improve the image signal-to-noise ratio and reduce the deformation



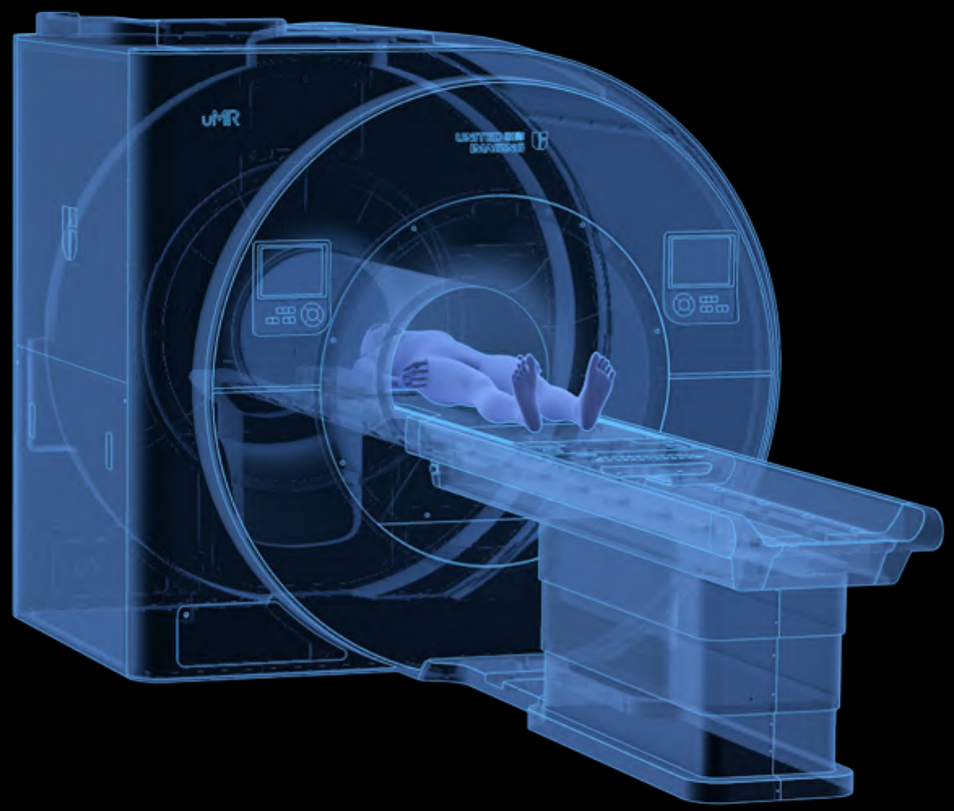


No ECC



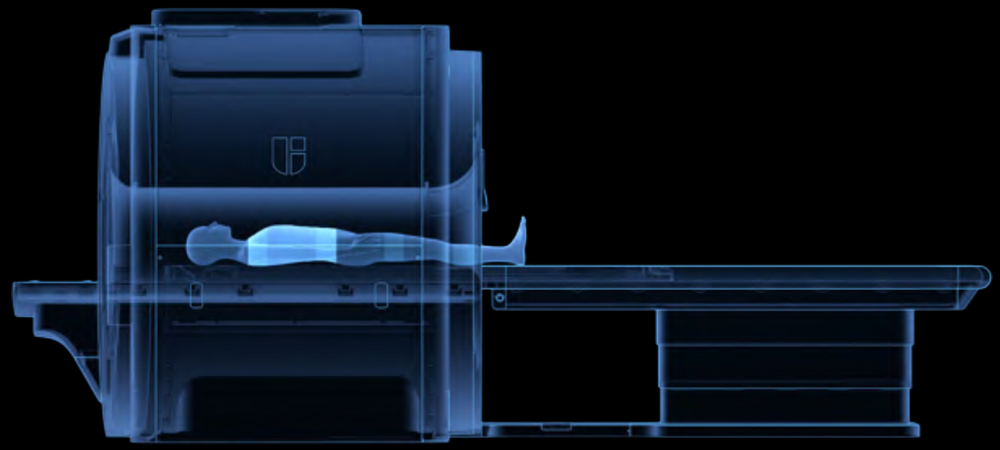
With ECC

Intelligent MR Workflow Simplified with UIH Innovations



EasyPosition

Automatic table positioning with ONE-click

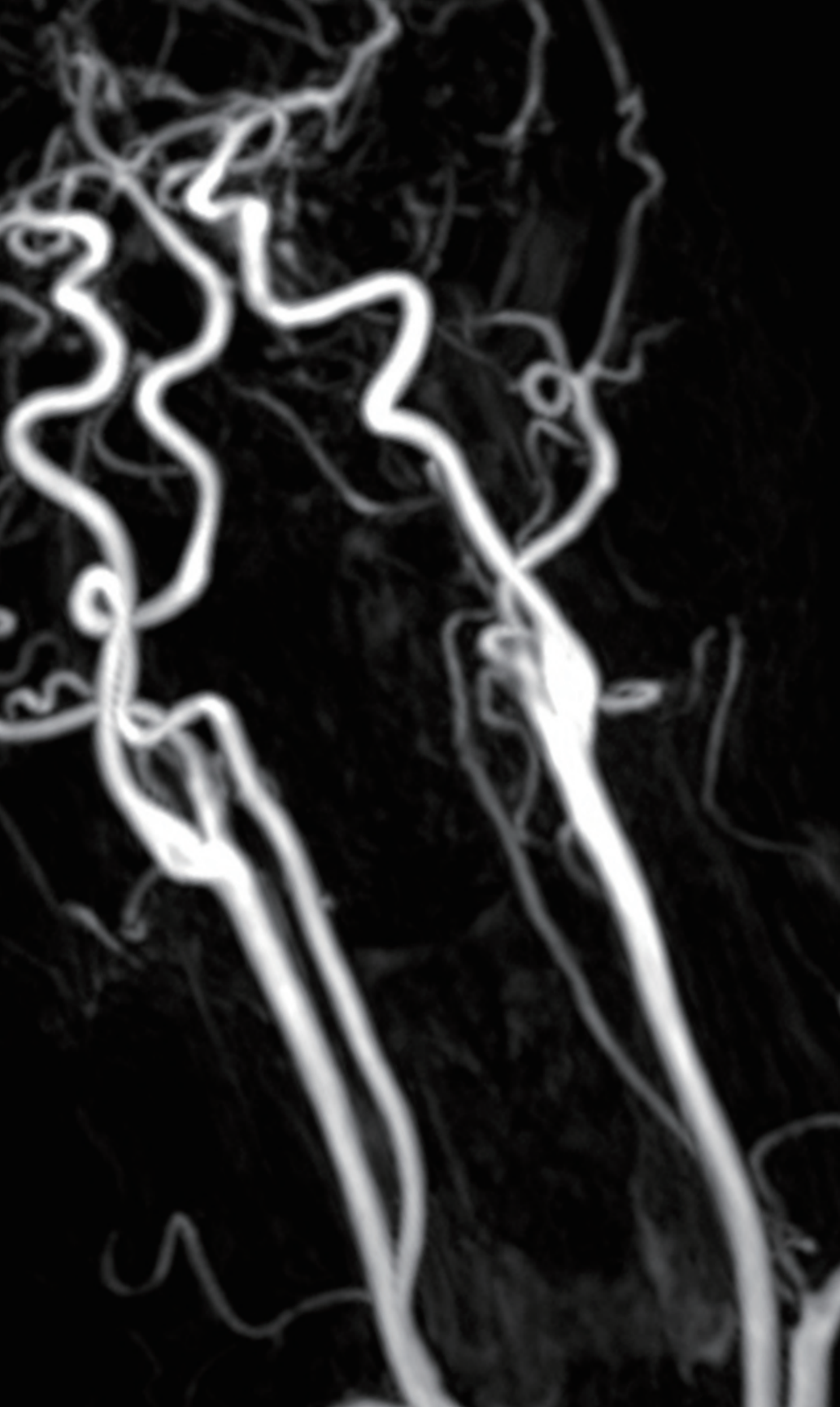


EasyPlan

Automatic multi-step scan planning and image stitching with ONE-click

EasyScan

Intelligent, automatic and consistent anatomical orientation



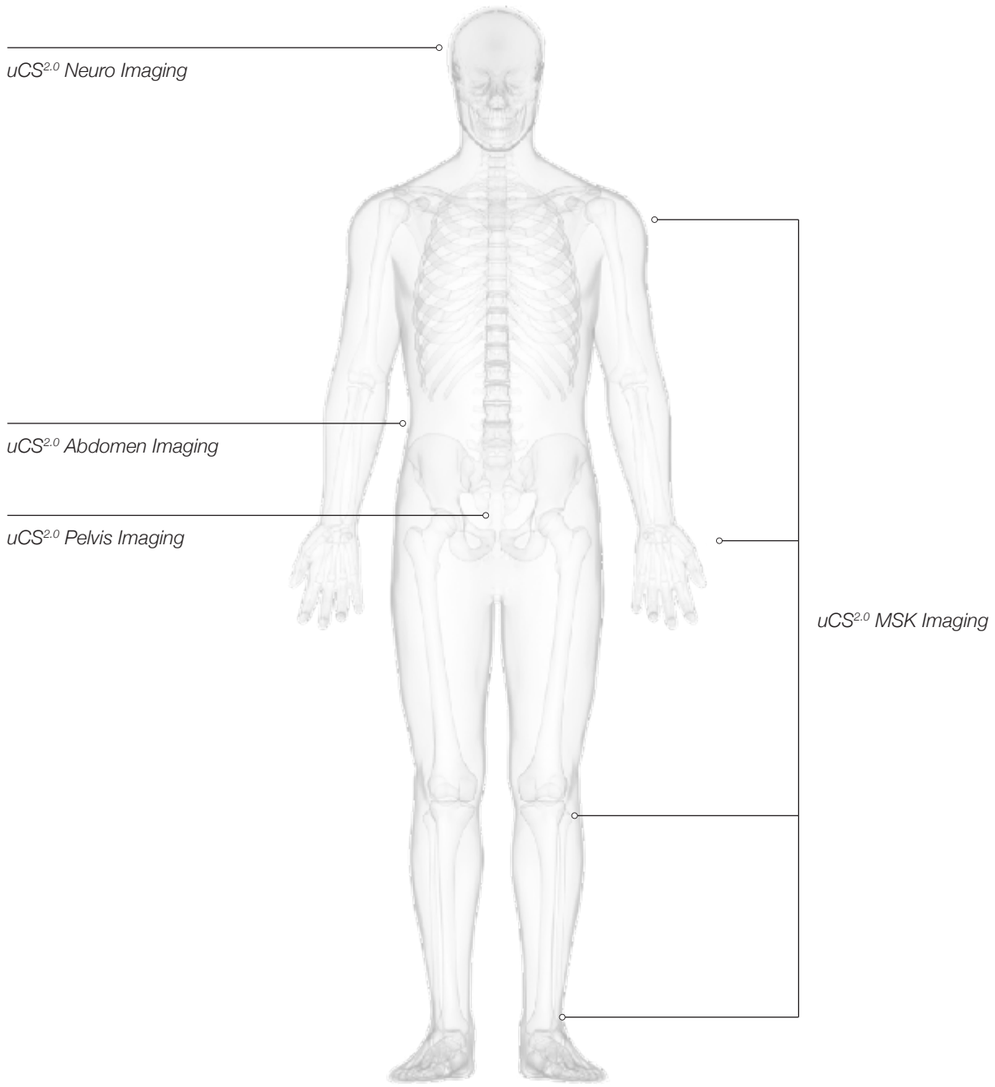
uCS$^{2.0}$
Imaging Platform

uCS$^{2.0}$ Imaging Platform

uCS$^{2.0}$ Imaging platform combines the strengths of conventional acceleration technologies and innovative compressed sensing, breaking through the limits of both speed and resolution with a maximum 36x acceleration..

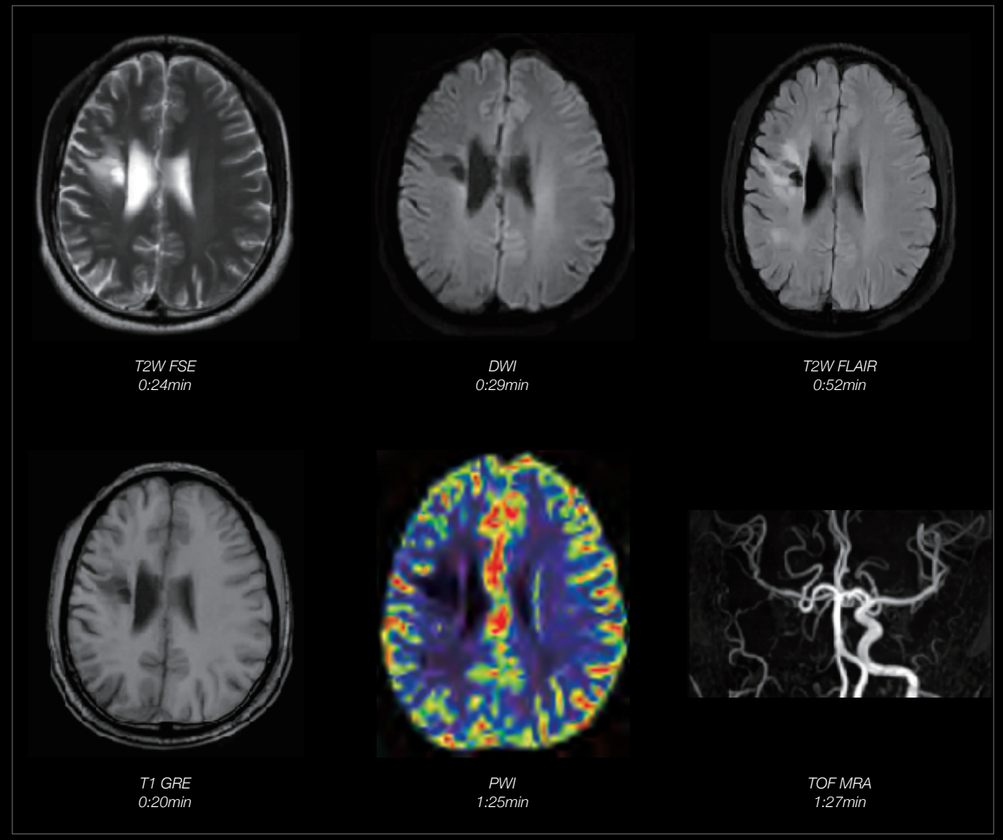
uCS$^{2.0}$ Imaging Platform can reduce 30% scanning time on average compared with the parallel imaging and providing consistent or even better details.

Reduce 30% Scanning Time On Average



uCS$^{2.0}$ Neuro Clinical Solution

Stroke Protocol within 5 min



4:57min

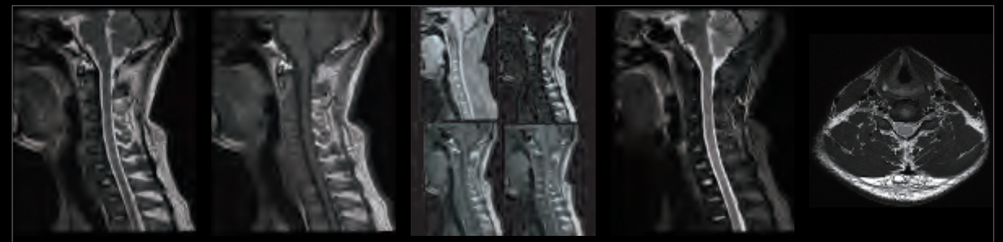
Brain Acquisition Time Reduction of 45 %

uCS 2D
3:39min

Parallel Imaging
6:35min

uCS$^{2.0}$ Neuro Clinical Solution

C-Spine Acquisition Time Reduction of 37%



T2W FSE
Matrix 547x456 I
1:23min

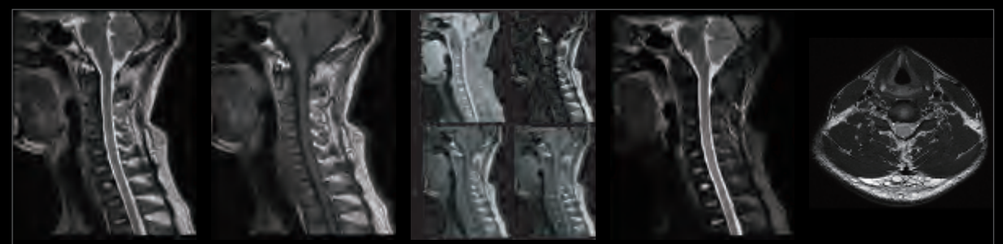
T1W FSE
Matrix 547x456 I
2min

T1W WFI FSE
Matrix 519x432 I
3:04min

STIR FSE
Matrix 432x360 I
2:24min

T2W FSE STACKS
Matrix 378x504 I
1:44min

uCS 2D
10:37min



T2W FSE
Matrix 547x456 I
2:20min

T1W FSE
Matrix 547x456 I
3:04min

T1W WFI FSE
Matrix 519x432 I
3:54min

STIR FSE
Matrix 432x360 I
4:06min

T2W FSE STACKS
Matrix 378x504 I
3:30min

Parallel Imaging
16:54min

L-Spine Acquisition Time Reduction of 20%

T2W FSE
Matrix 612 x 408 I
1:44min

T1W FSE
Matrix 576 x 384 I
2:08min

T2W FSE STACKS
Matrix 393 x 480 I
1:09min

uCS 2D
5:01min

T2W FSE
Matrix 612 x 408 I
2:08min

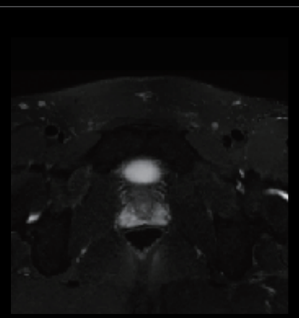
T1W FSE
Matrix 576 x 384 I
2:40min

T2W FSE STACKS
Matrix 393 x 480 I
1:26min

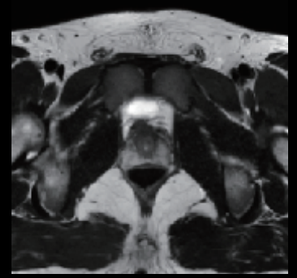
Parallel Imaging
6:14min

uCS$^{2.0}$ Pelvis Clinical Solution

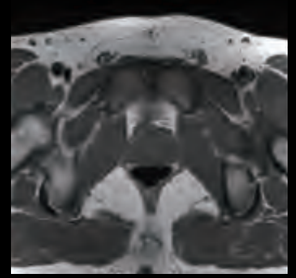
Pelvis Acquisition Time Reduction of 28%



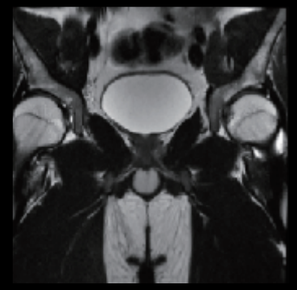
T2W FSE FS
Matrix 480x480 I
1:56min



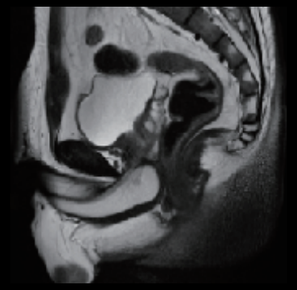
T2W FSE
Matrix 480x480 I
1:47min



T1W FSE
Matrix 480x480 I
1:44min

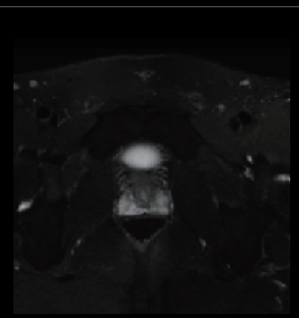


T2W FSE
Matrix 528x528 I
1:59min

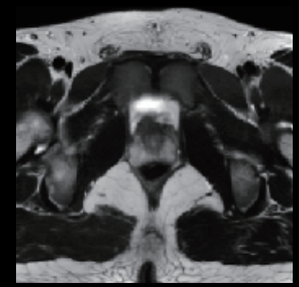


T2W FSE
Matrix 528x528 I
1:44min

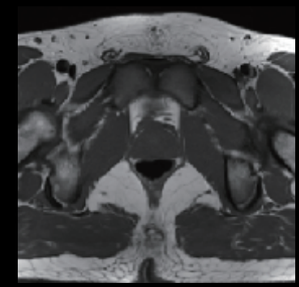
uCS 2D
9:10min



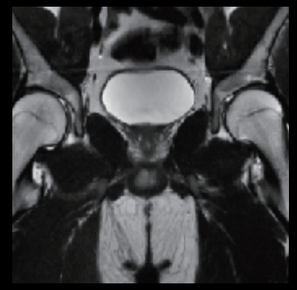
T2W FSE FS
Matrix 480x480 I
2:40min



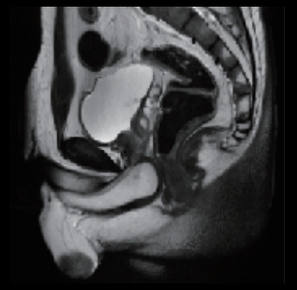
T2W FSE
Matrix 480x480 I
2:36min



T1W FSE
Matrix 480x480 I
2:28min



T2W FSE
Matrix 528x528 I
2:40min

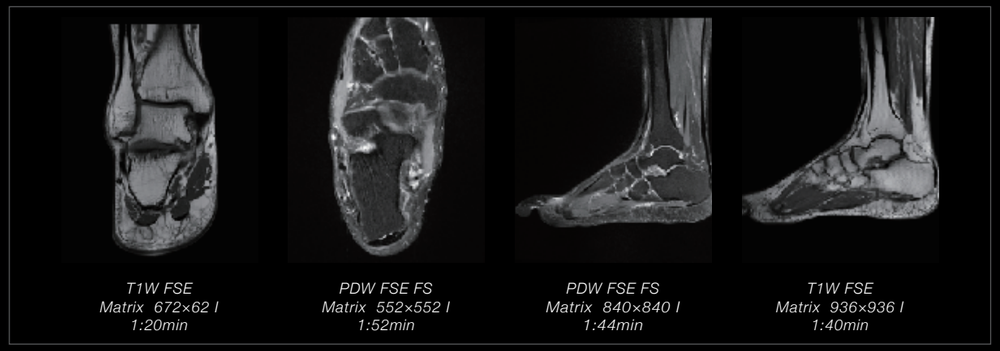


T2W FSE
Matrix 528x528 I
2:40min

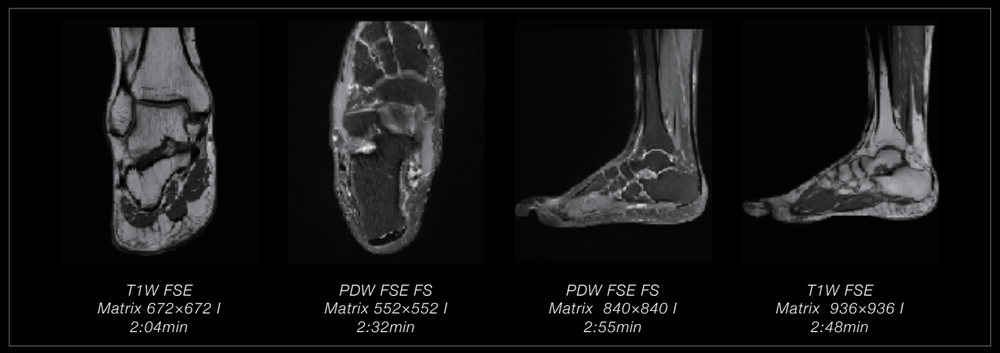
Parallel Imaging
13:04min

uCS$^{2.0}$ MSK Clinical Solution

Ankle Acquisition Time Reduction of 32%



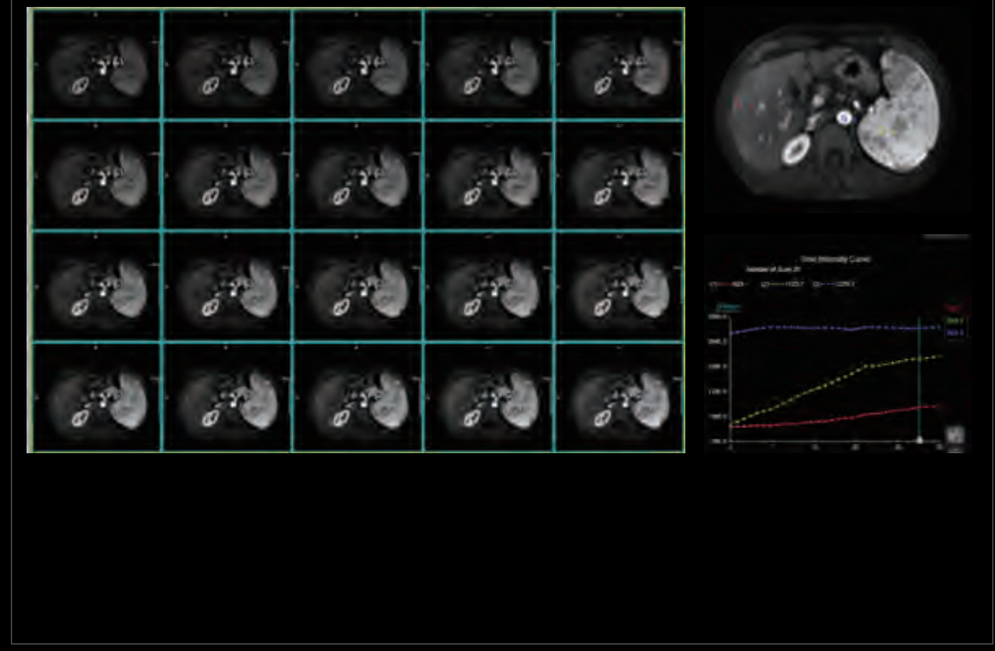
uCS 2D
7:04min



Parallel Imaging
10:19min

uCS$^{2.0}$ Abdomen Clinical Solution

0.5s/phase Dynamic Whole-liver Imaging



0.5s/phase，30 phases

Whole liver coverage

36x Acceleration

uCS$^{2.0}$ Tumor Clinical Solution

uCS DWI

Patented gold award algorithm

uCS reconstruction with high SNR and high b value

High fidelity imaging with intelligent motion detection

Whole-body DWI

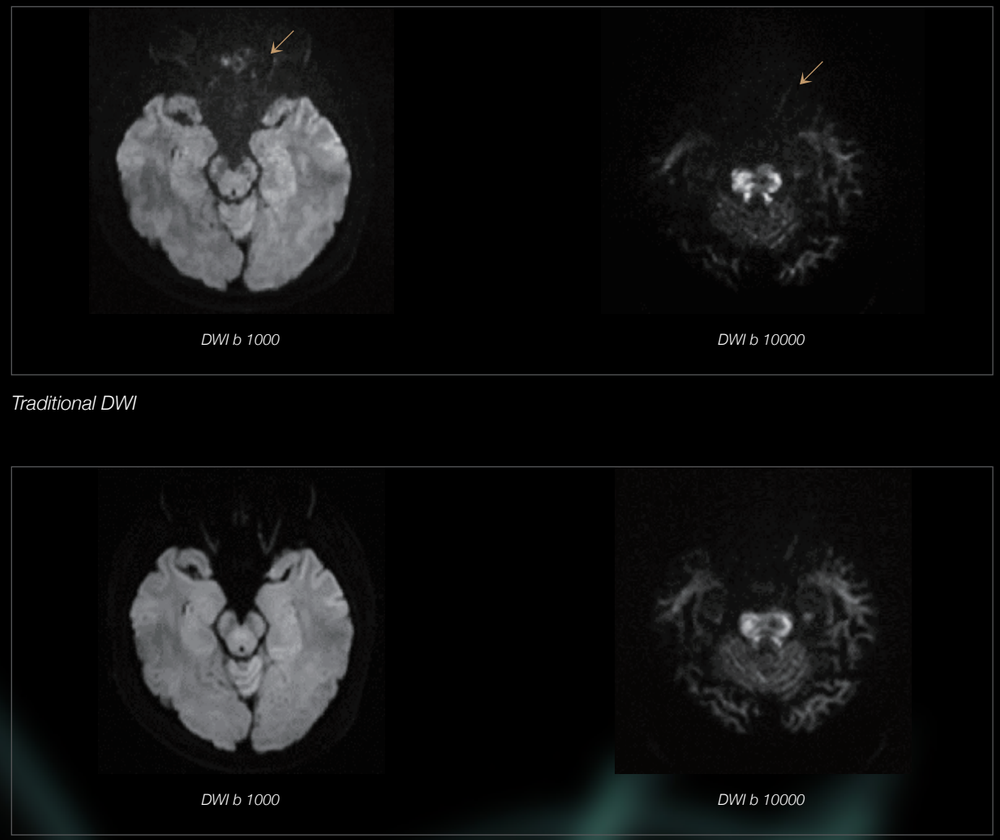
Fast and high-resolution tumor screening

MicroView

Insight of minor lesions

Computed DWI

Achieve high b value without extra scan time

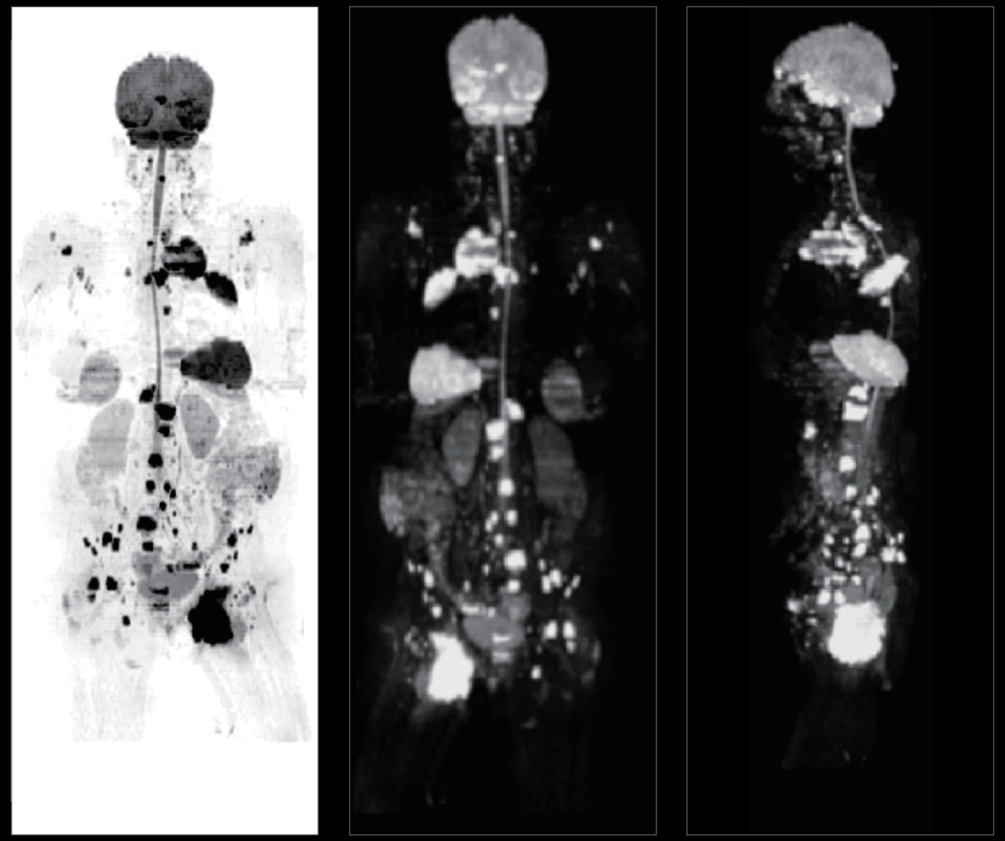


Traditional DWI

uCS DWI

uCS$^{2.0}$ Tumor Clinical Solution

Whole-body DWI | Fast and High-resolution Tumor Screening

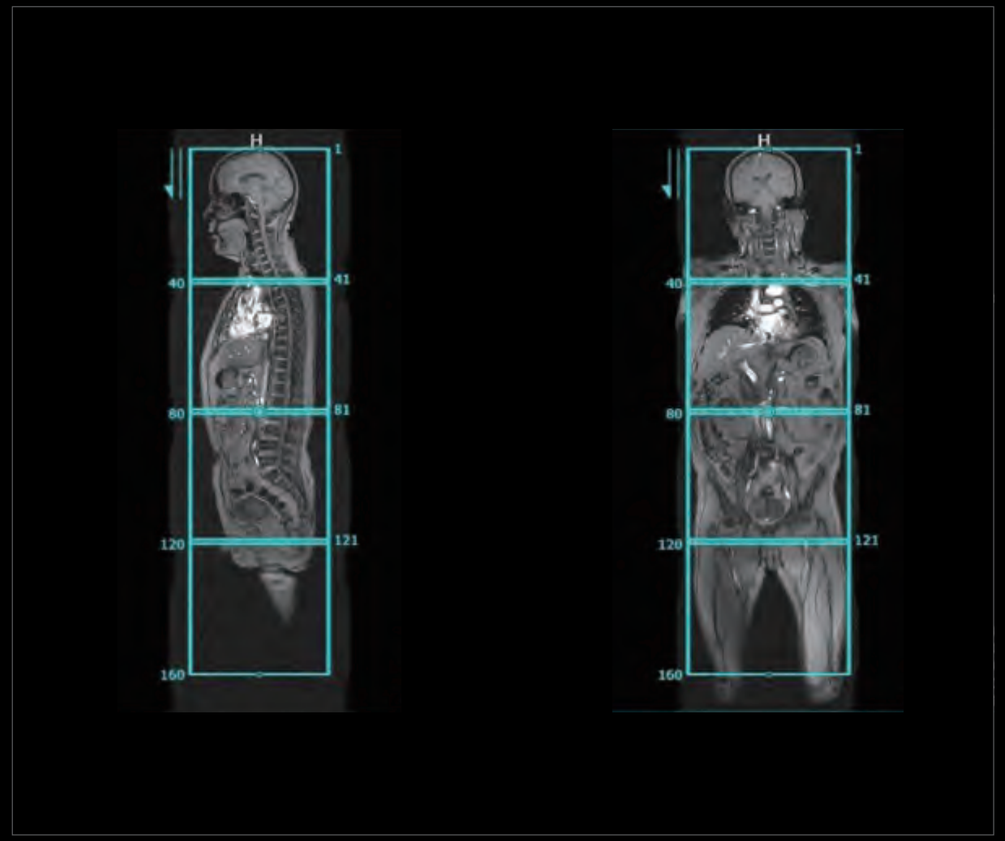


Patients can breath freely during whole body DWI scanning

PET like imaging obtained through MIP and grayscale inversion

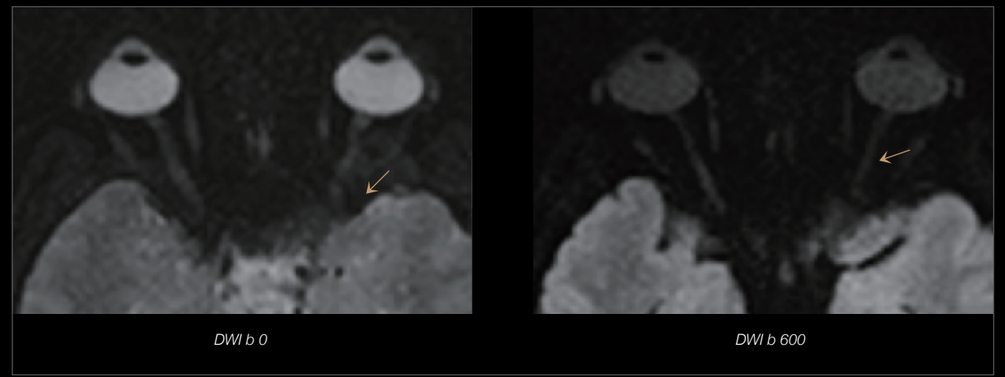
Tumor screening & tumor metastasis

Dedicated Whole Body Imaging Workflow

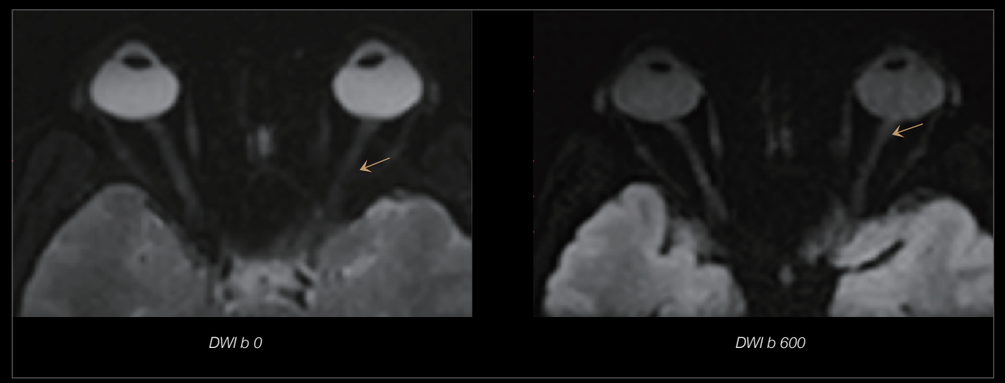


uCS$^{2.0}$ Tumor Clinical Solution

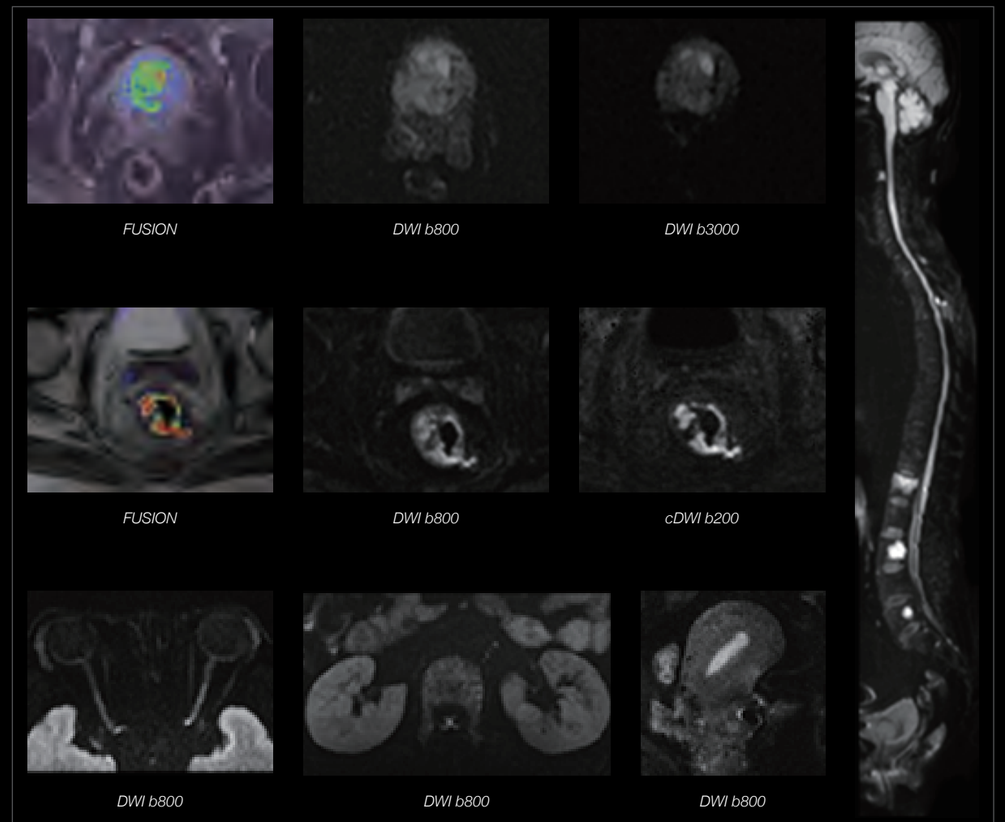
MicroView | Insight into Small Lesions



Conventional DWI



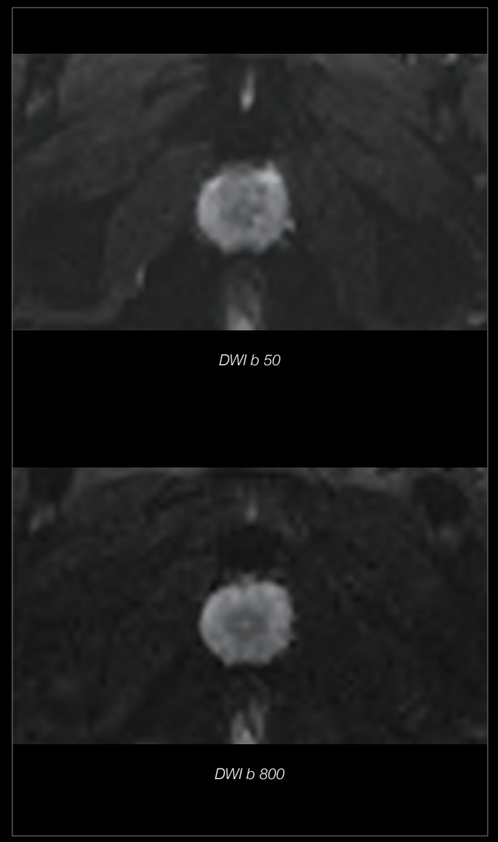
MicroView



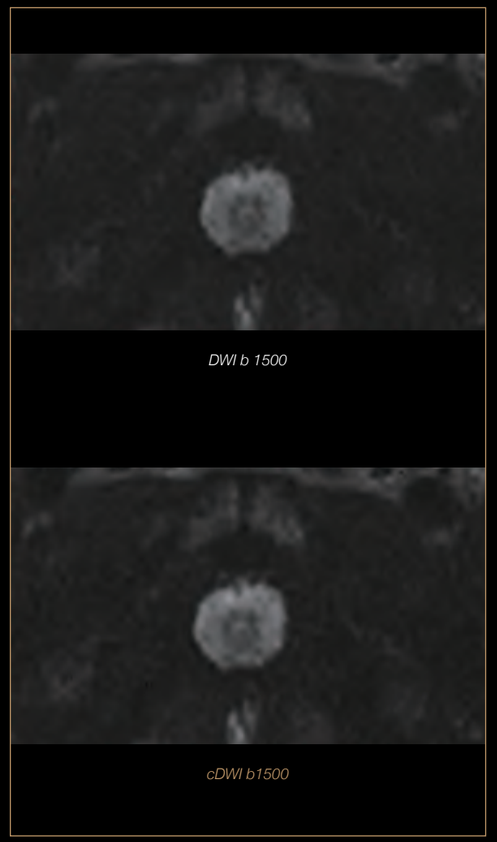
Reduce FOV in the PE direction, effectively reducing magnetization artifacts
Improve resolution and reduce partial volume effect

uCS$^{2.0}$ Tumor Clinical Solution

cDWI | Achieve High b Value without Extra Scan Time



DWI b 50



DWI b 1500

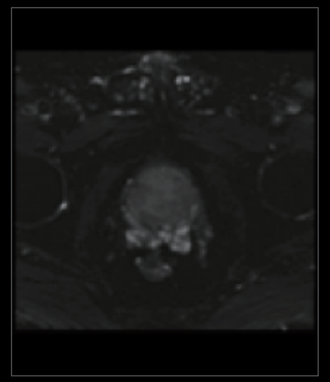
DWI b 800

cDWI b1500

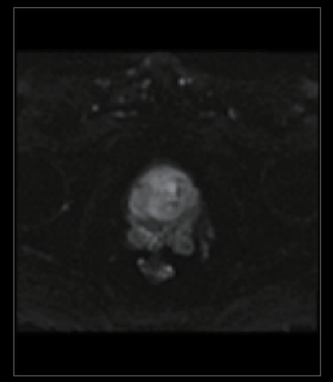
“Zero” time to obtain high b-value

Suppress background noise

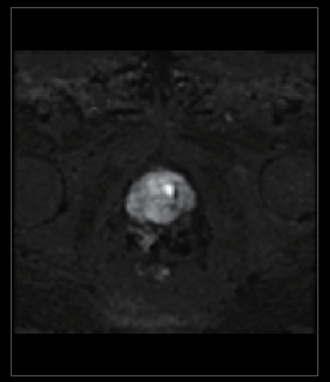
Better contrast of lesion signal



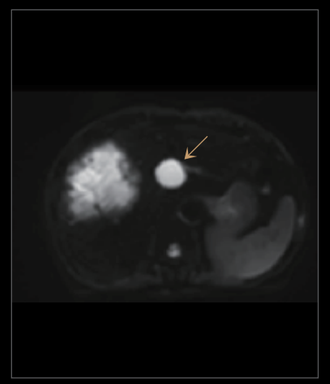
DWI b50



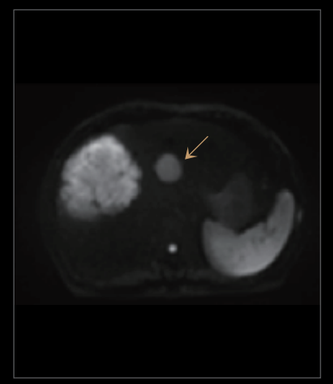
DWI b800



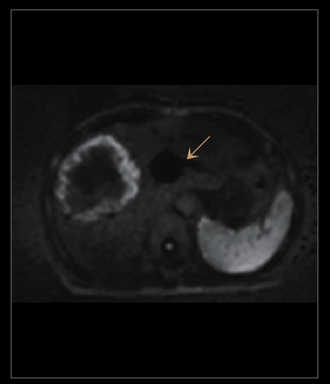
cDWI b2500



DWI b50



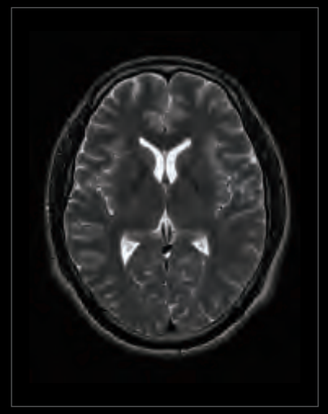
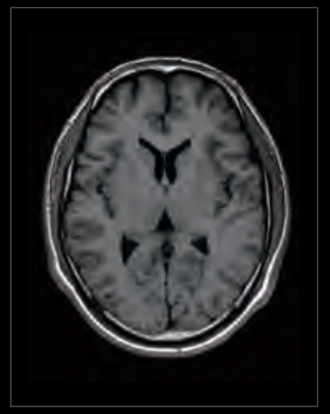
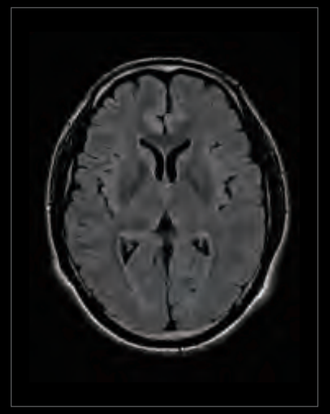
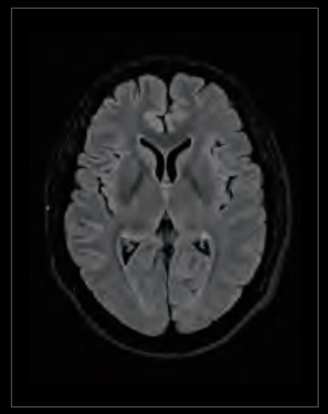
DWI b800



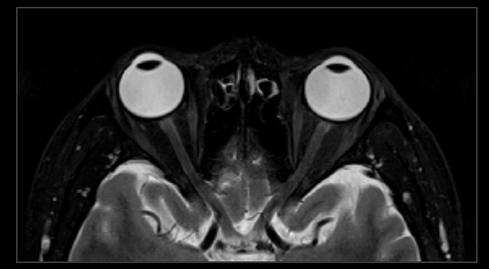
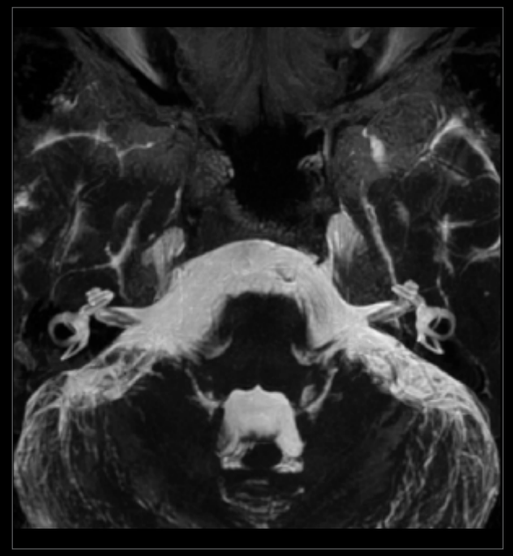
cDWI b2500

Comprehensive Clinical Application

Neuro

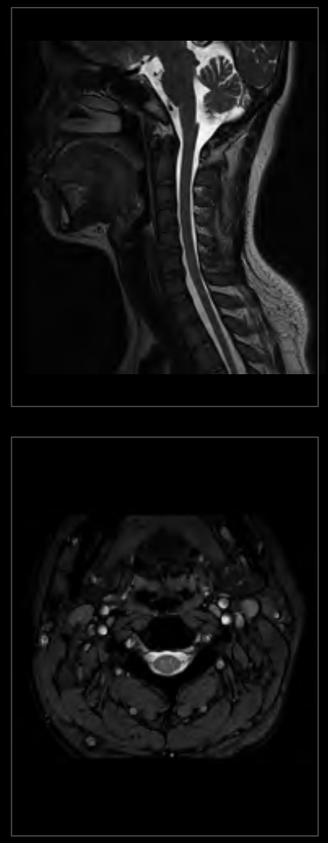





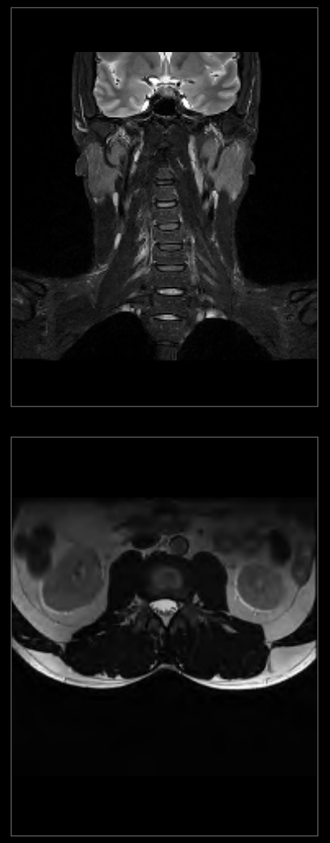


Comprehensive Clinical Application

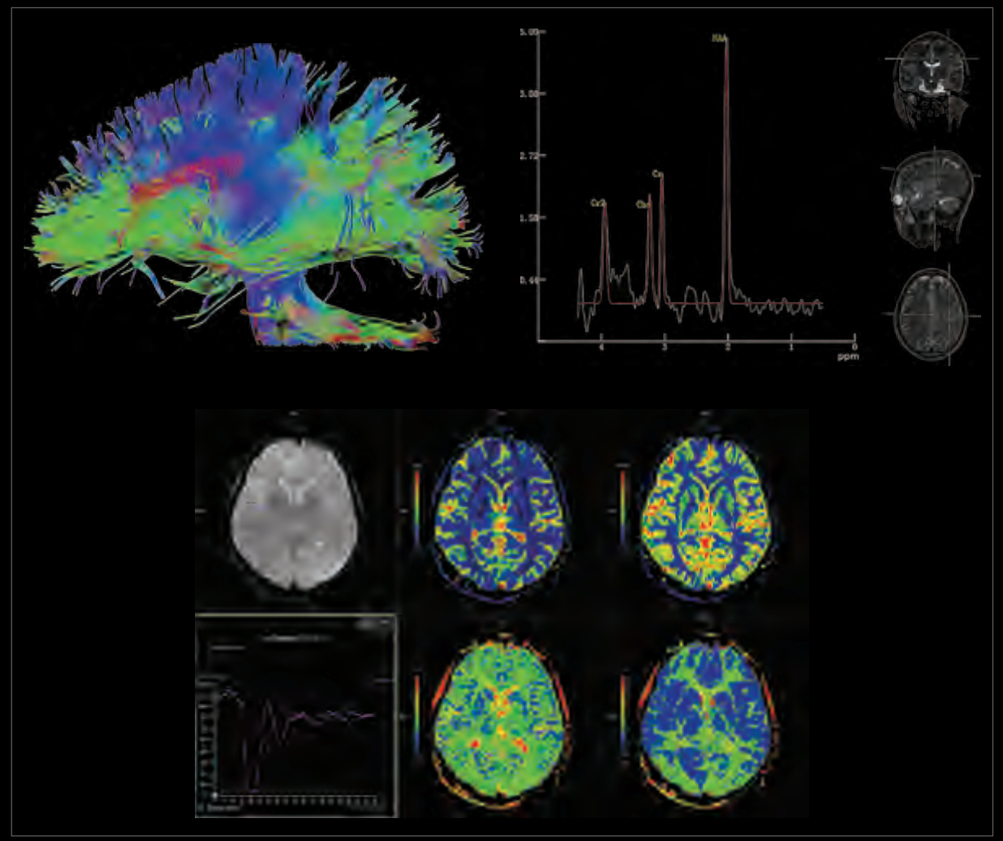
Neuro

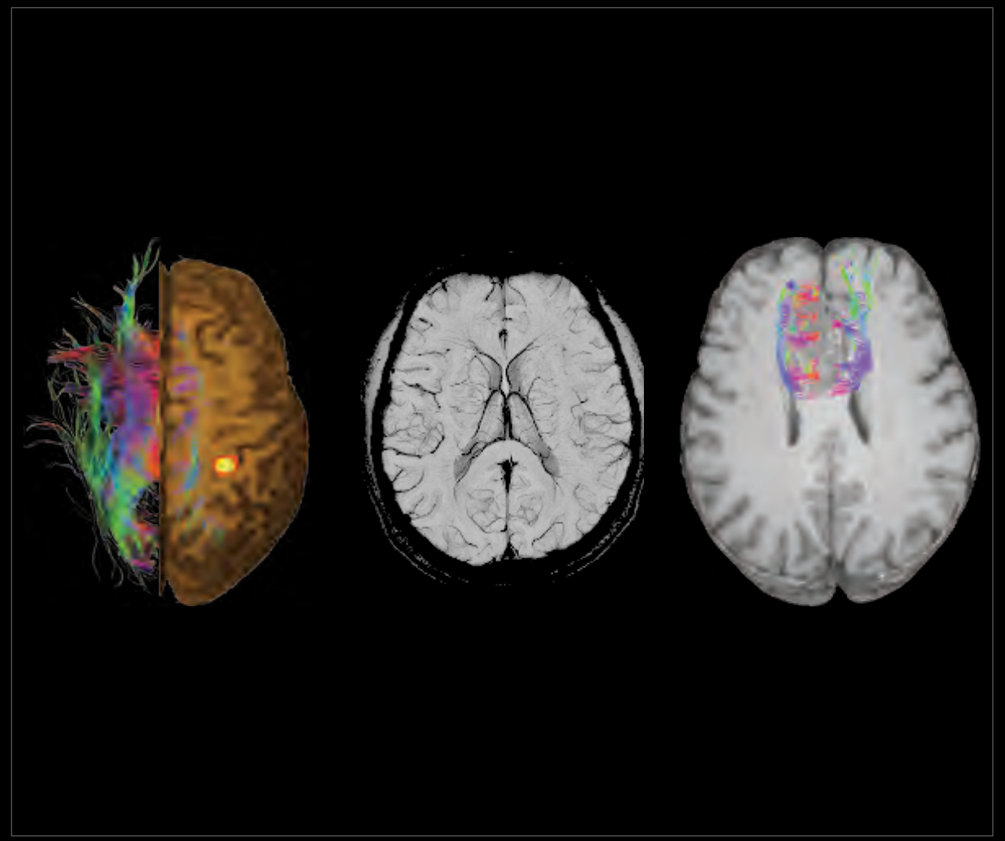





Comprehensive Clinical Application

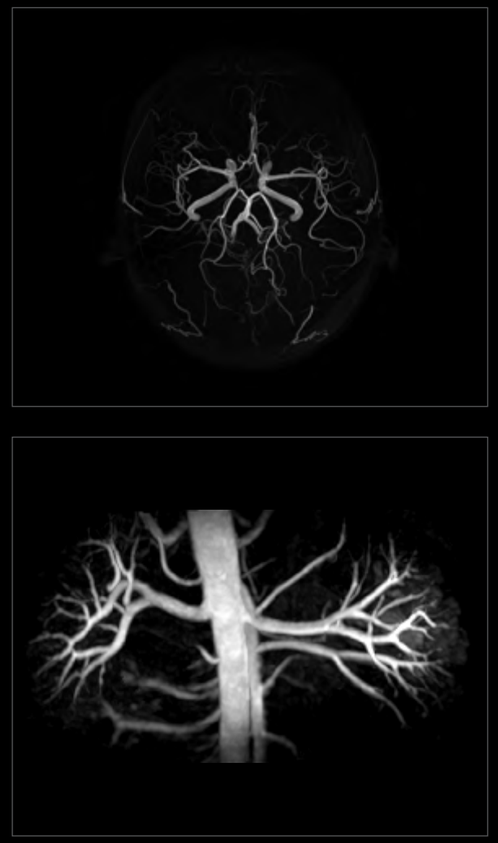
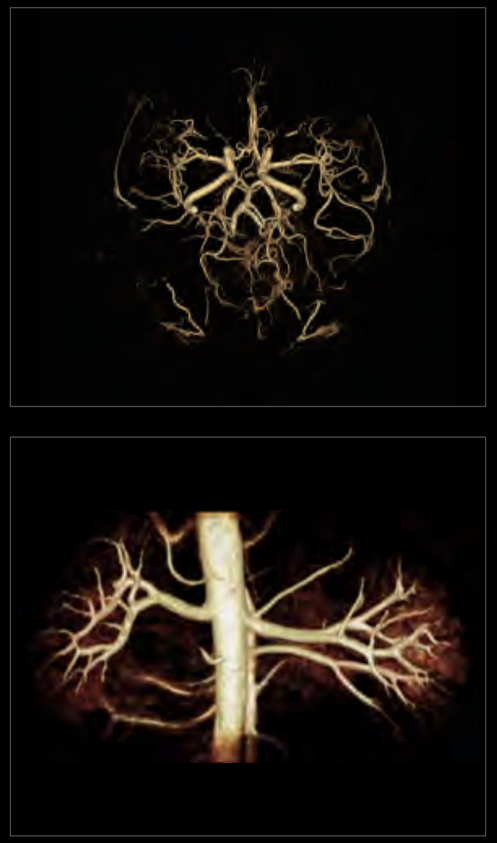
Advanced Applications





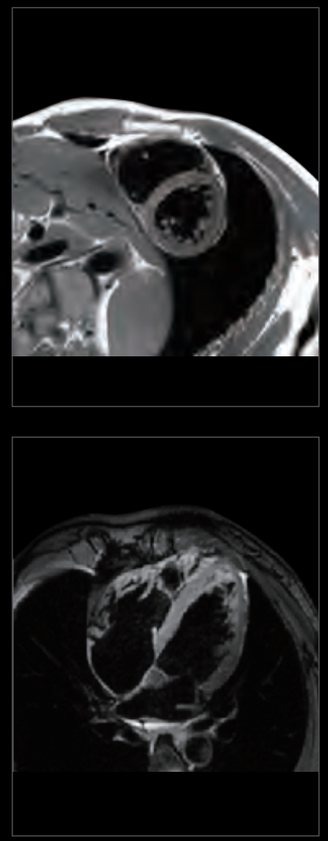
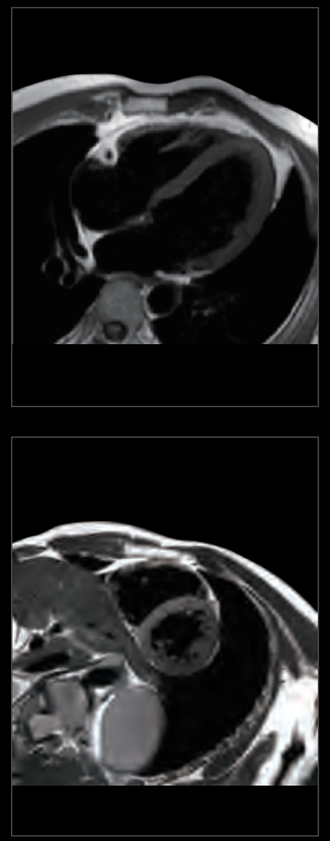
Comprehensive Clinical Application

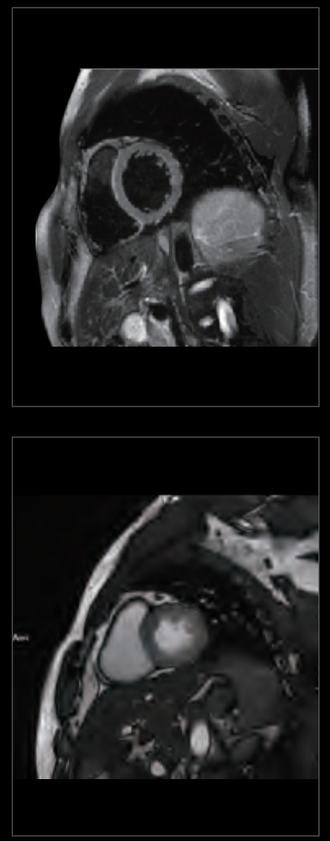
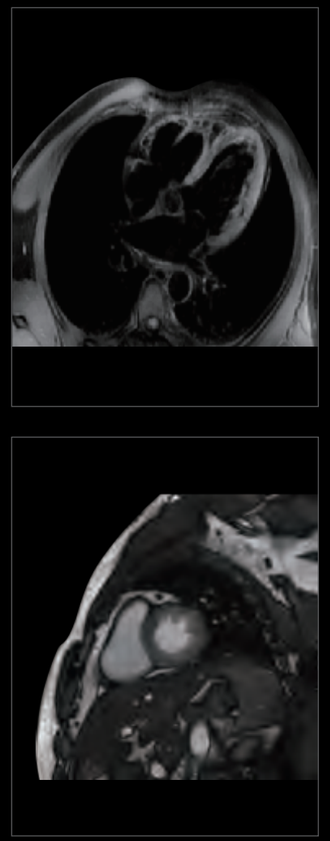
Angio


Comprehensive Clinical Application

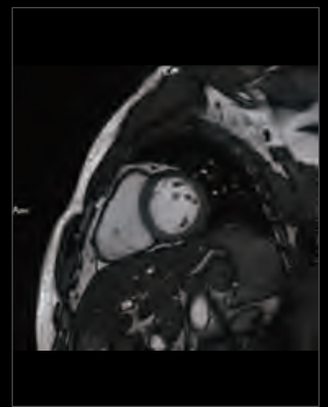
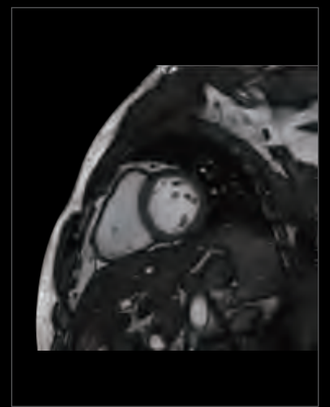
Cardiac

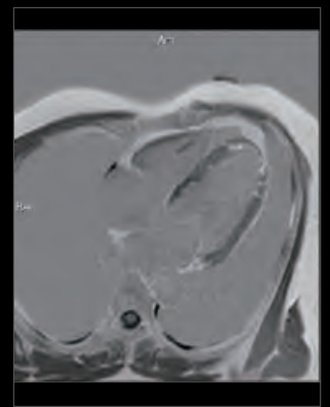
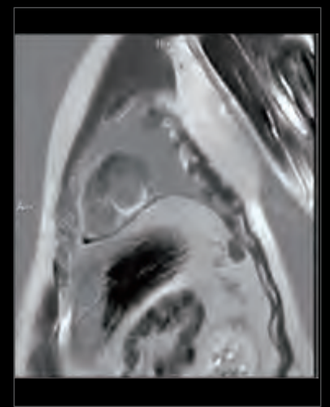



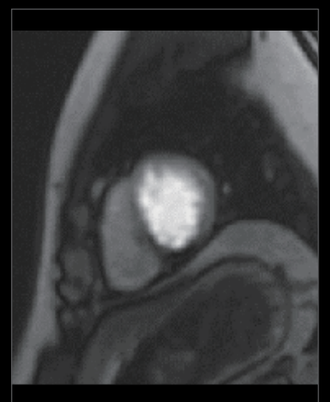
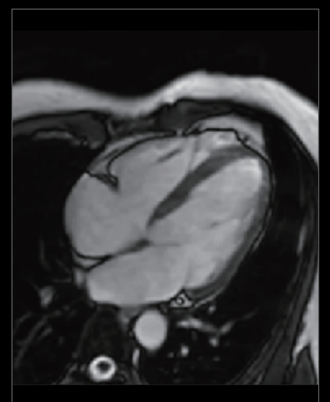
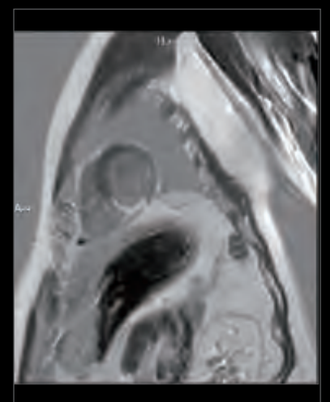
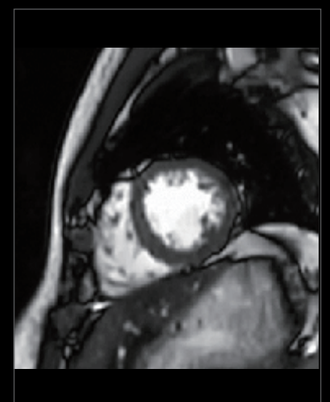




Comprehensive Clinical Application

Cardiac

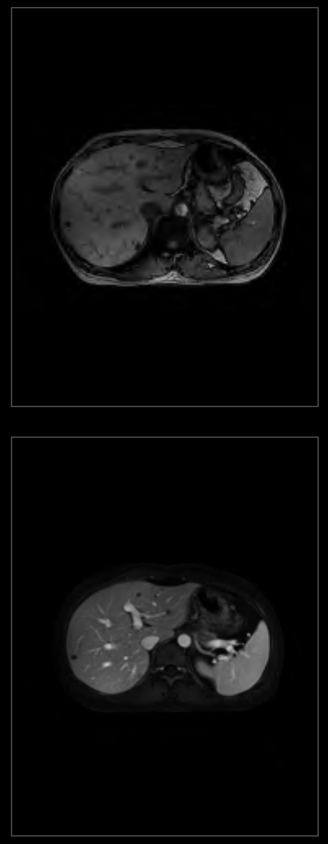
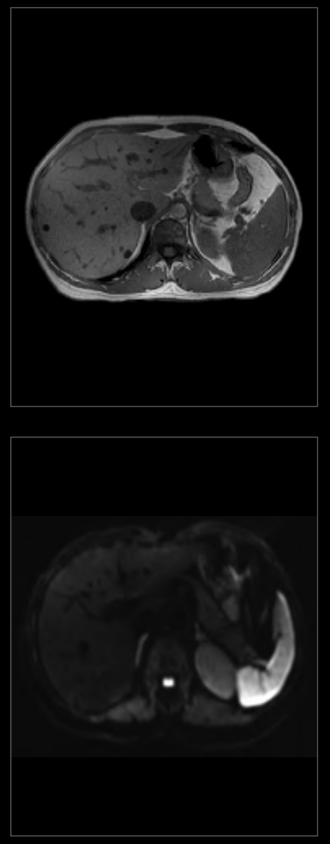
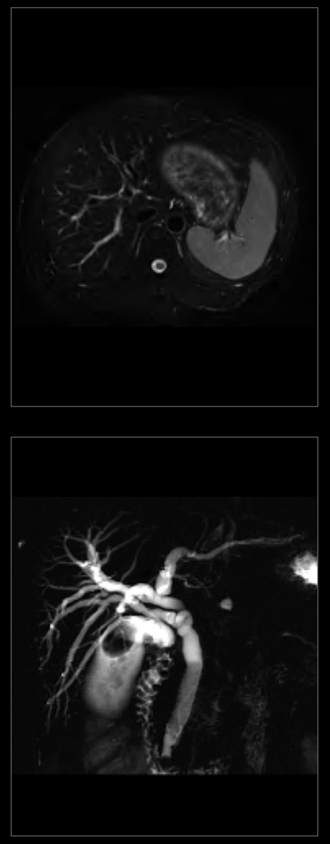
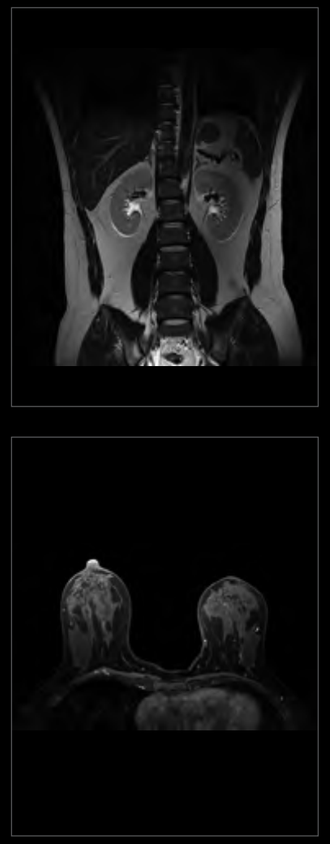
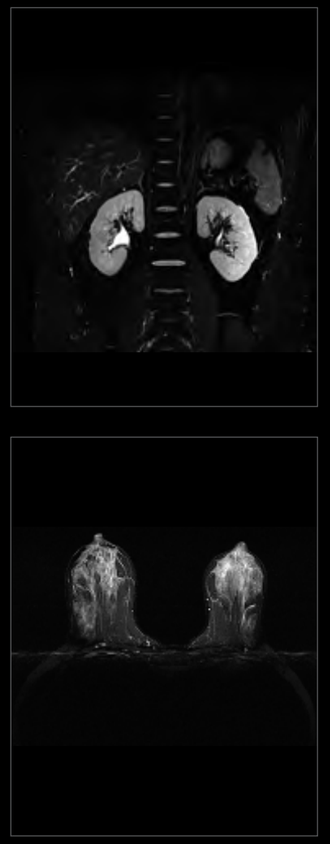
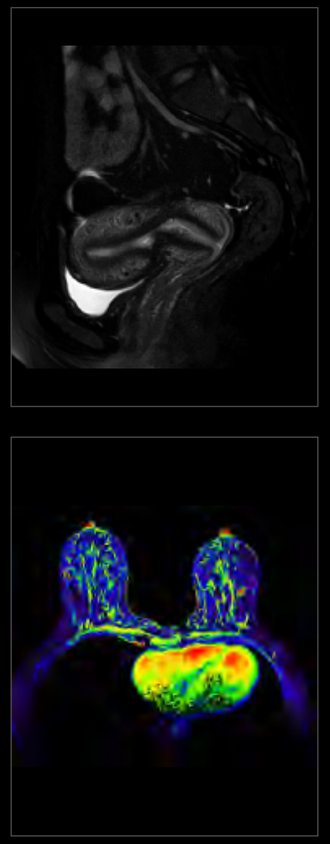



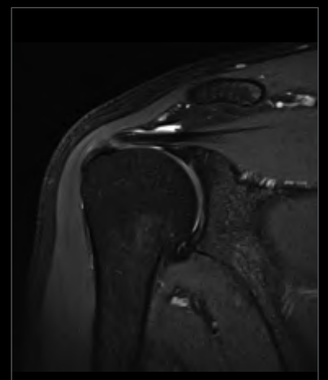
Comprehensive Clinical Application

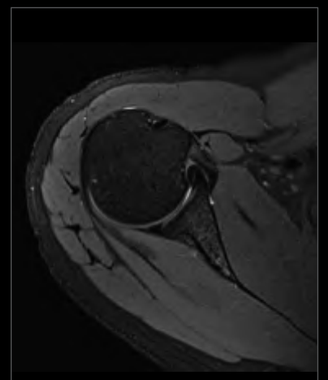
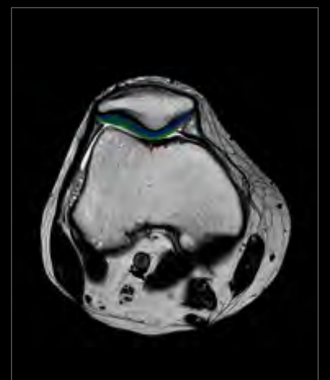
Body

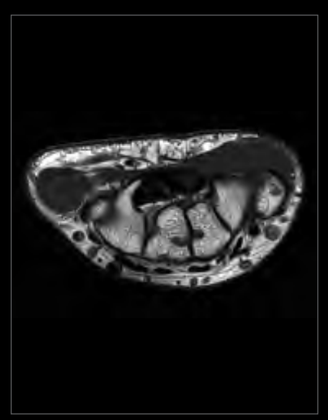
Comprehensive Clinical Application

Ortho






Human-Centered Design

Focusing on user experience, uMR 770 combines precise operation with a lightweight and artistic design. We bring aesthetic enjoyment and ease of use to the technology, delivering care, trust and respect through our design.

Pleasing Aesthetics

Our design scheme integrates oriental aesthetics with minimalism, presenting a seamless fusion of traditional and modern styling.

User-Friendly Design

The product design delivers comfort, safety, efficiency and ease-of-use. By applying ergonomic principles the uMR 770 combines innovative design with optimal functionality in order to provide the best possible user experience, optimizing patient comfort during the examination.

Sophisticated Craftsmanship

Driven by the tenets of precision design, we fine-tune every technological detail to embody the spirit of craftsmanship in every product.