

GE Healthcare

CLINICAL GALLERY

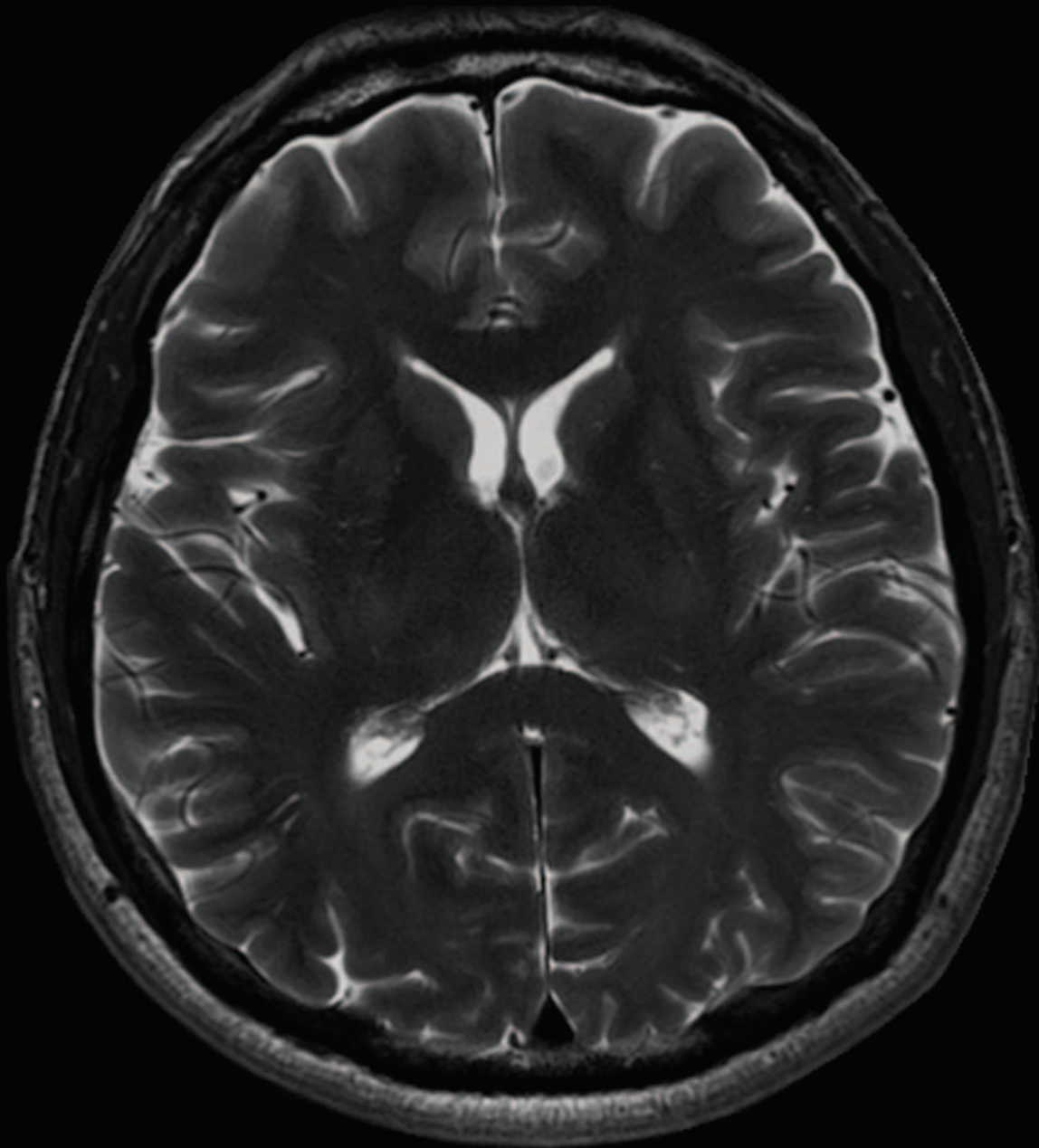
Discovery* MR750w 3.0T



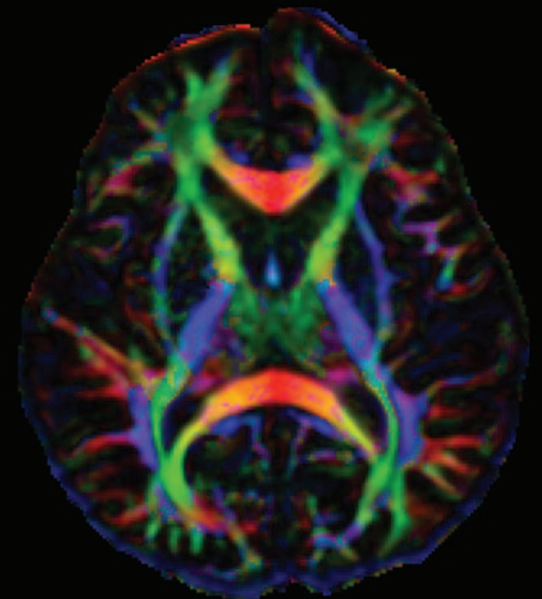
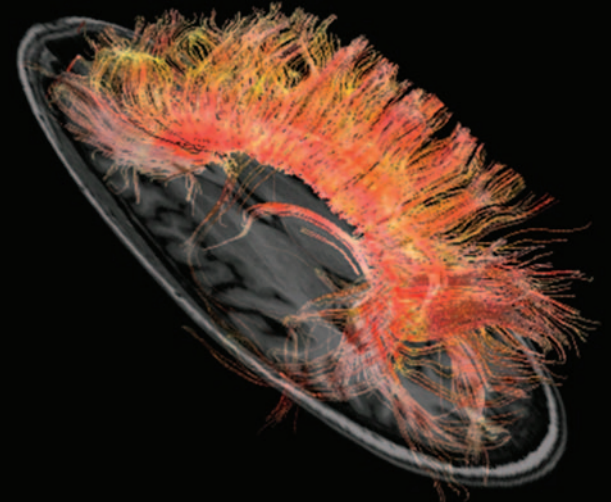
This brochure is intended for European healthcare professionals.

NEURO

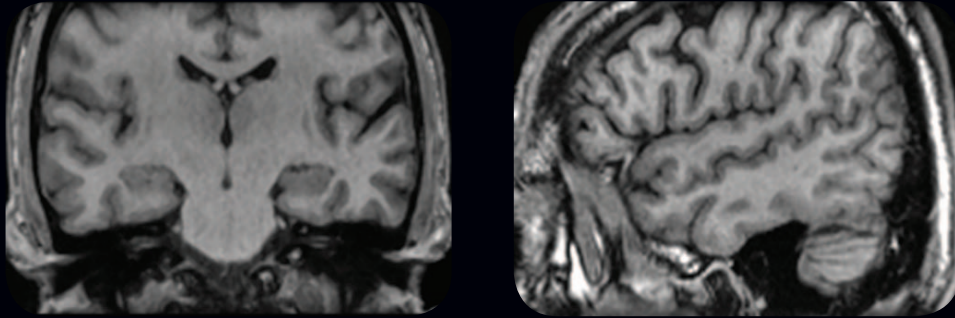
PROPELLER delivers high resolution, motion insensitive imaging in all planes. T2 Axial shown with a 512 x 512 resolution in around one minute.



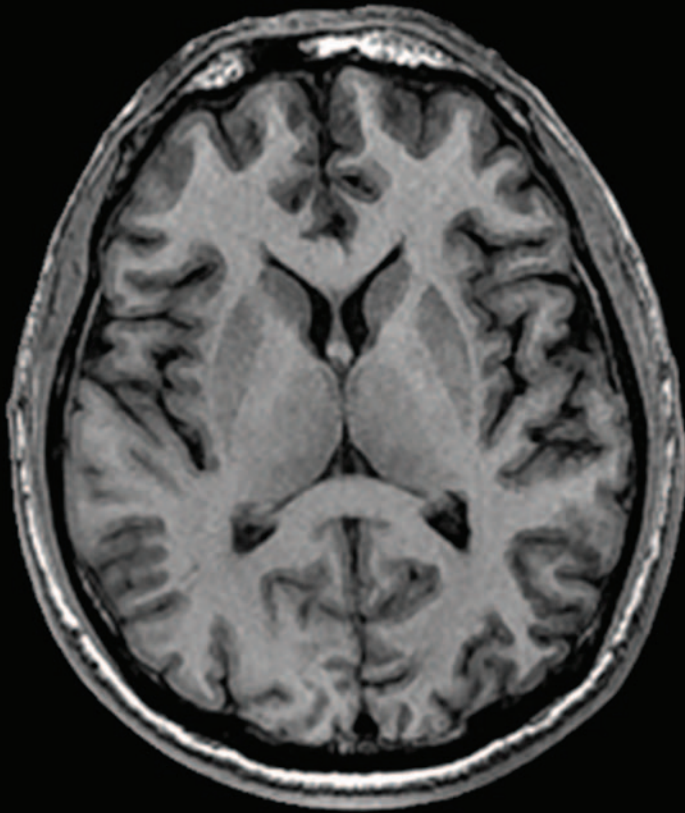
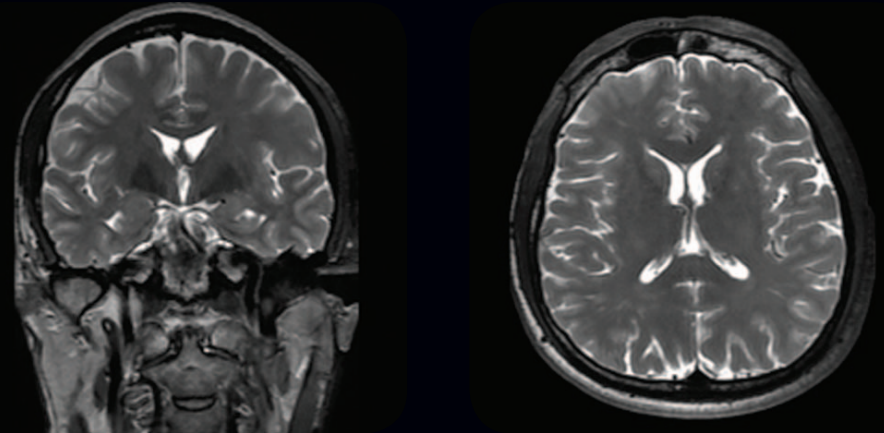
Discovery MR750w provides excellent high resolution diffusion tensor images. FiberTrack visualizes white matter trajectories in the brain and generates colored orientation maps as well. The eXtreme gradients enable the ability to capture exquisite DTI outputs.



BRAVO is a 3D IR-Prepared fSPGR sequence used to acquire high resolution, T1 weighting with excellent gray/white matter differentiation.



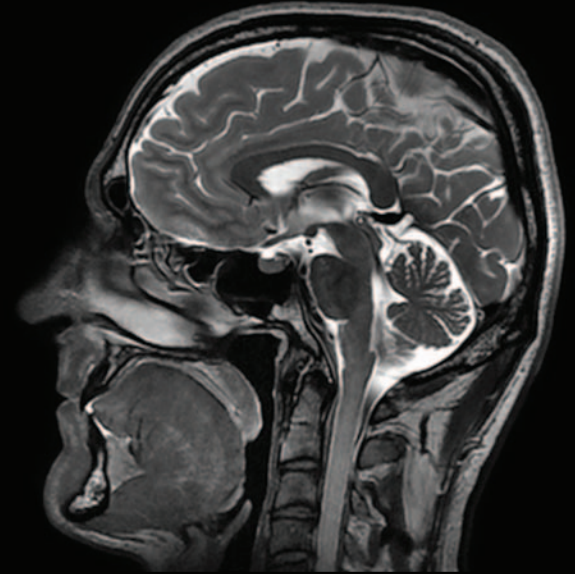
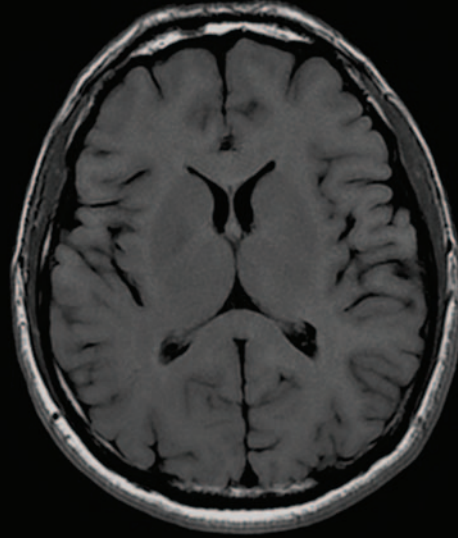
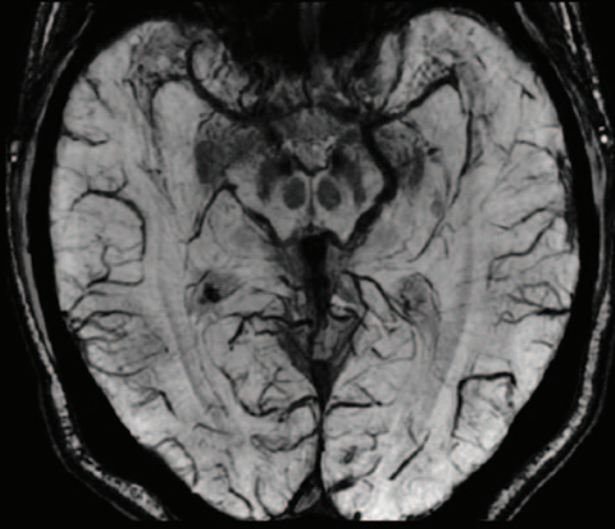
Cube is a volumetric imaging technique with isotropic voxels. Scan once and reformat into any plane with excellent resolution. Cube employs ARC acceleration, which enables rapid scan times. Cube is compatible with multiple contrasts - T2 shown.



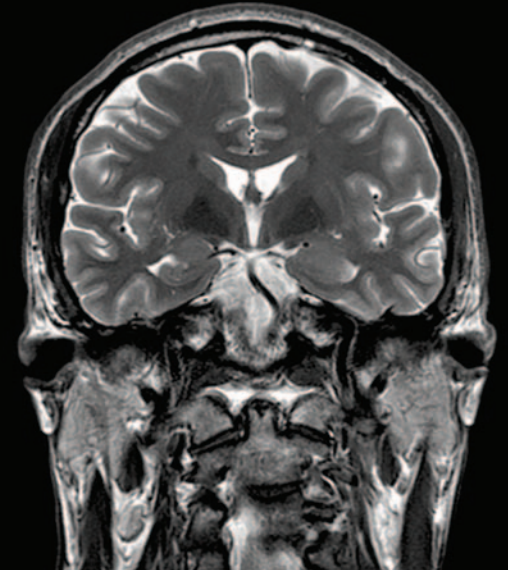
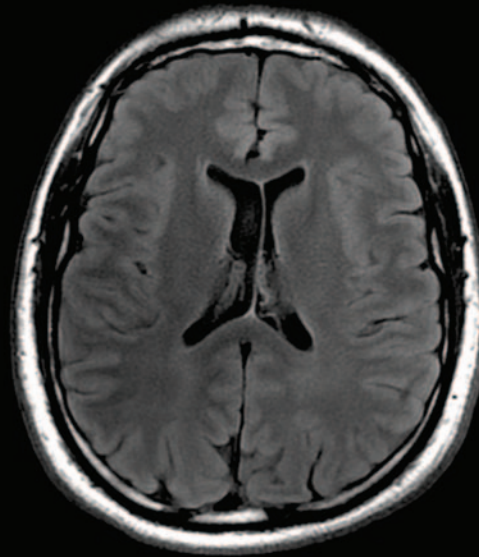
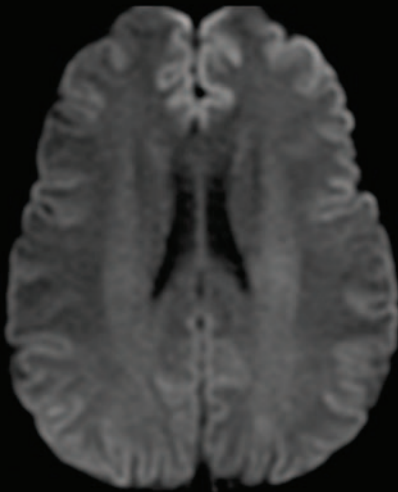
NEURO

SWAN is a multi-echo acquisition with submillimeter resolution and a reconstruction algorithm that provides the ability to clearly delineate small vessels and microbleeds.

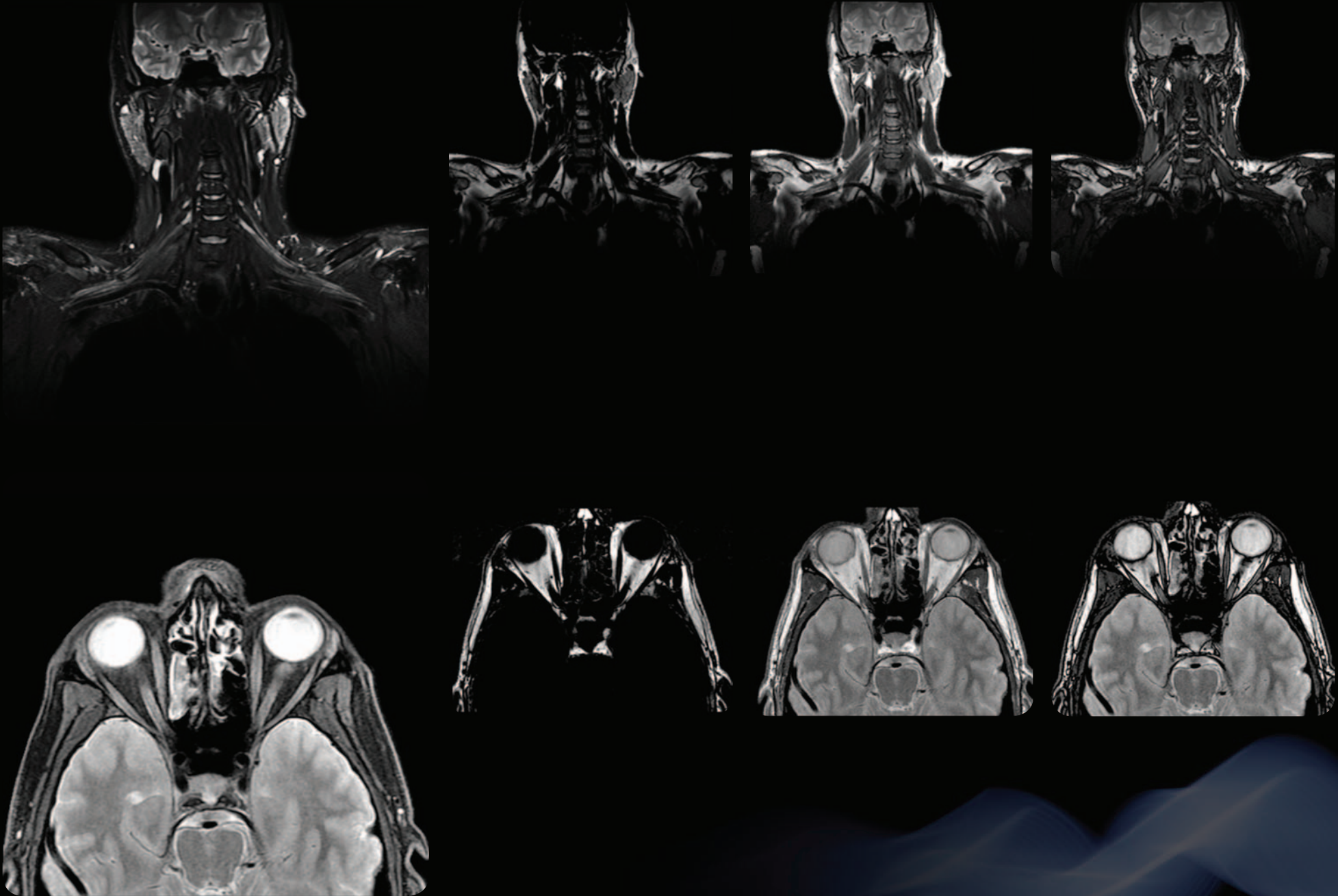
PROPELLER delivers high resolution, motion insensitive imaging in the Axial, Sagittal or Coronal plane with capable resolutions of 512×512 . PROPELLER is compatible with T1 and T2 FLAIR, T2 and DWI.



eDWI with tetrahedral diffusion encoding allows imaging with shorter TE's, thus reducing susceptibility and preserving SNR.



T2 IDEAL FSE provides four different contrasts (water, fat, in-phase and out-of-phase images) in one scan for T1 and T2 weighted imaging. IDEAL is robust in the presence of magnetic susceptibility effects, for example, in difficult to image anatomies.



NEURO

PROPELLER T2 of the spine acquired in two stations.



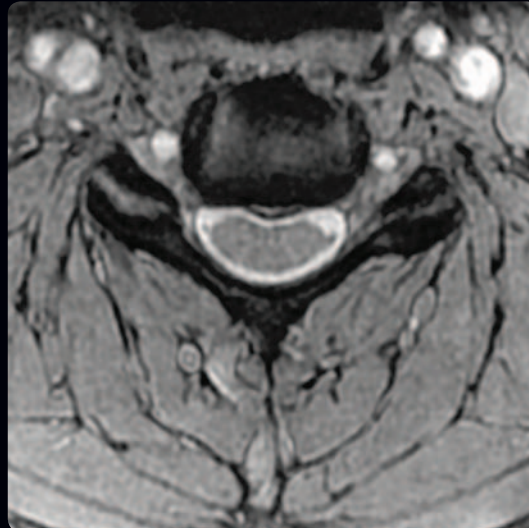
Sagittal T2 frFSE.



Sagittal T1 FLAIR.



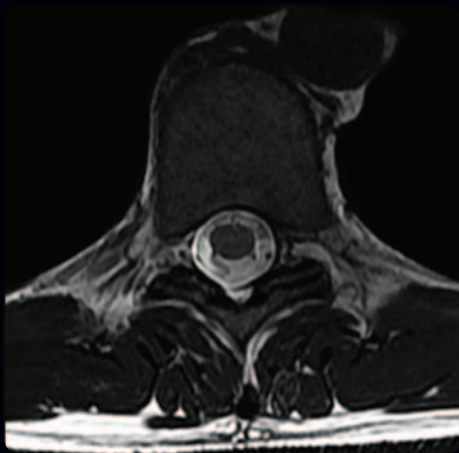
3D MERGE is a technique that acquires multiple echos at several TE's and then averages those echos to form a single T2' weighted image. Oblique reformats allow visualization of neural foraminas.



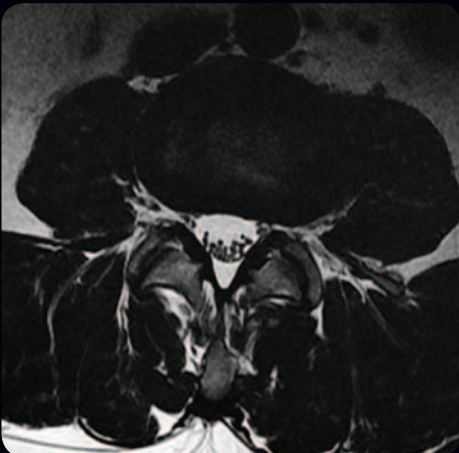
T2 PROPELLER Sagittal and T2 frFSE Axial of the thoracic and lumbar spine.



T1 FLAIR Sagittal.



T2 frFSE Sagittal.

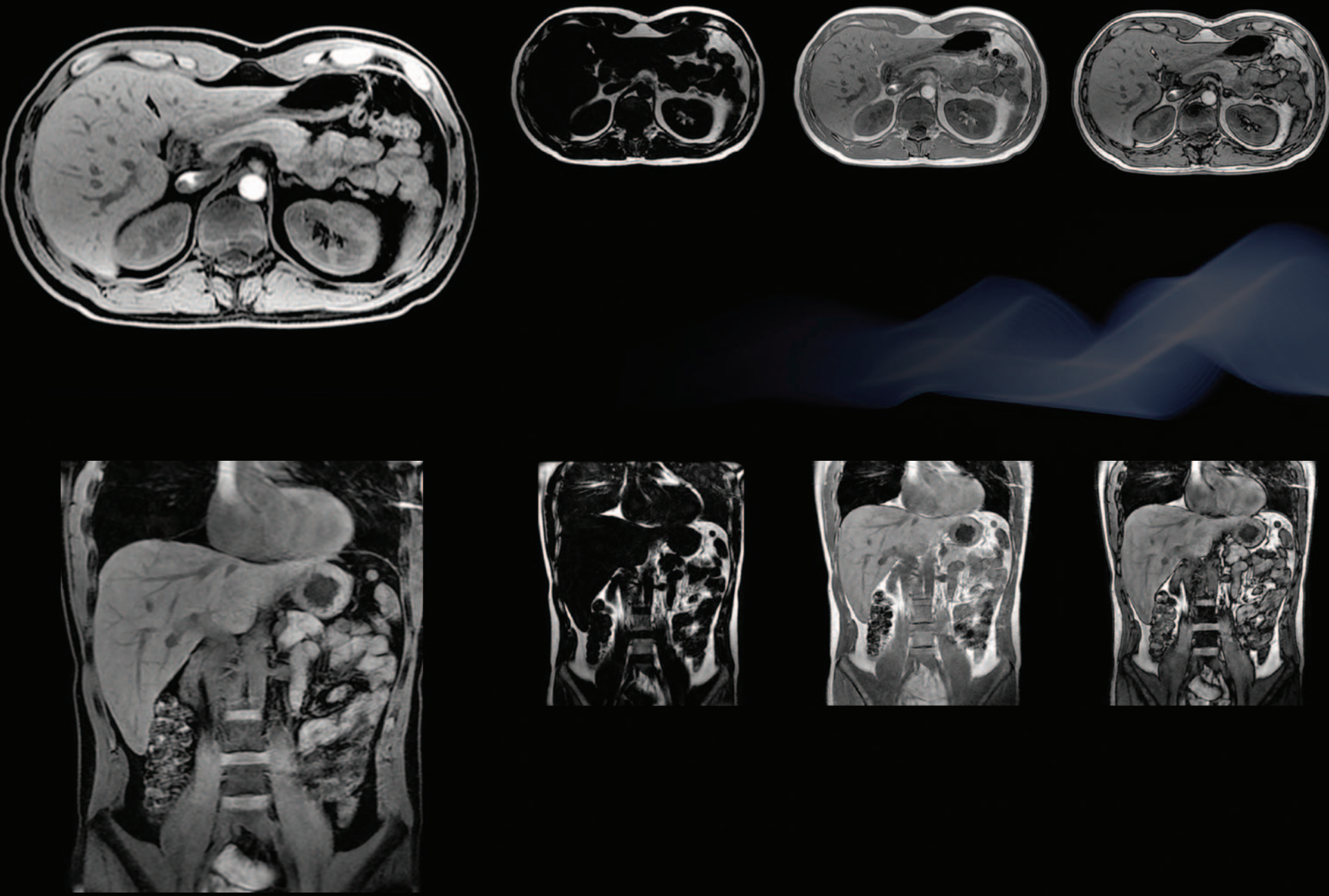


BODY

Whole body imaging with GEM Suite using T1 fSPGR and T2 SSFSE with ARC acceleration. GEM Suite allows for whole body imaging without repositioning the patient or coils. These five stations were acquired in less than 10 minutes.

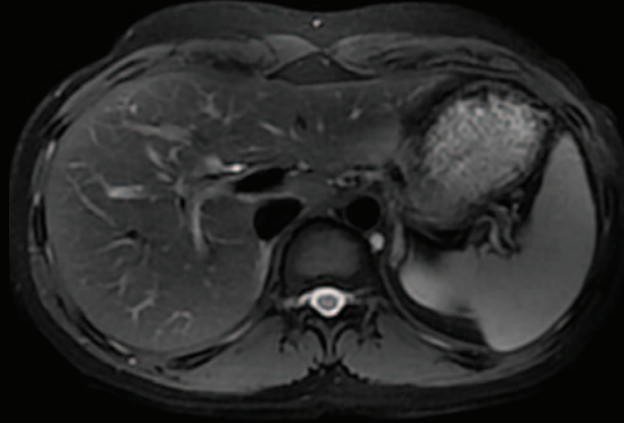
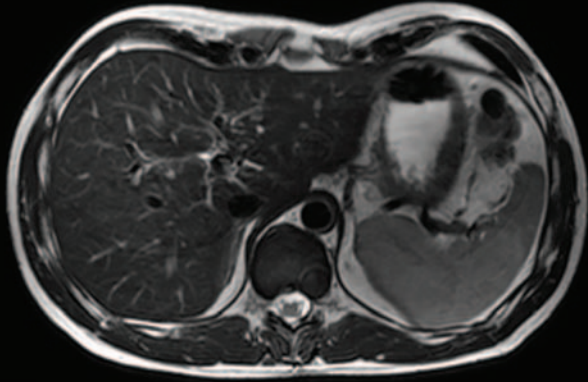


LAVA-Flex is a technique that acquires both water, fat, in-phase and out-of-phase images in a single acquisition. Axial and Coronal planes are shown.



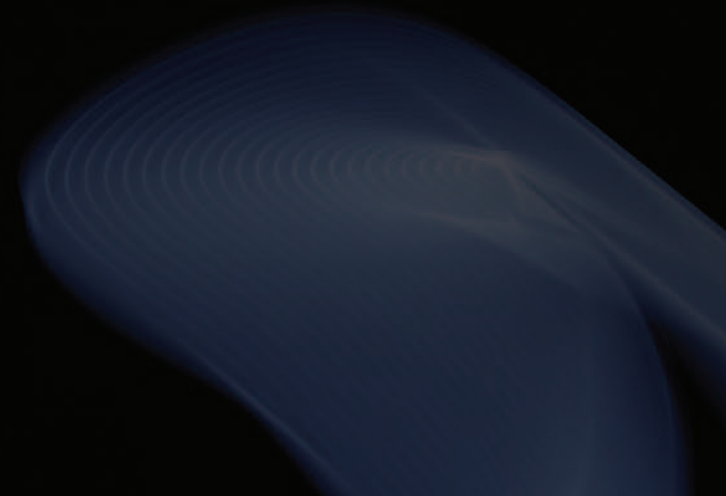
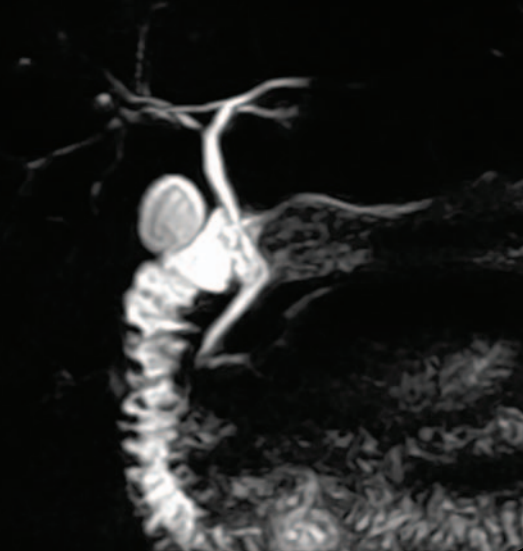
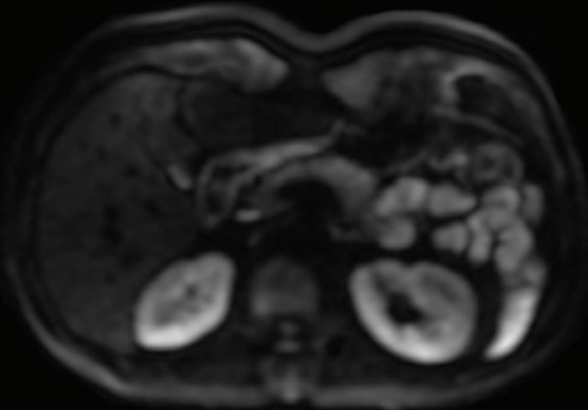
BODY

PROPELLER delivers a motion insensitive technique that can be used throughout the body with any coil and in any plane. Axial and Coronal fat suppressed images shown.



eDWI with 3-in-1 diffusion encoding can be acquired with multiple b-values in a single acquisition allowing better tissue characterization of disease processes.

3D MRCP with respiratory triggering and ARC parallel imaging.

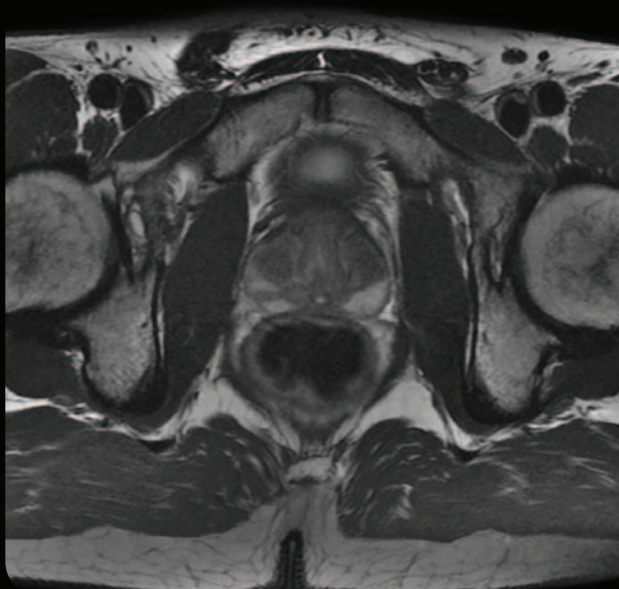
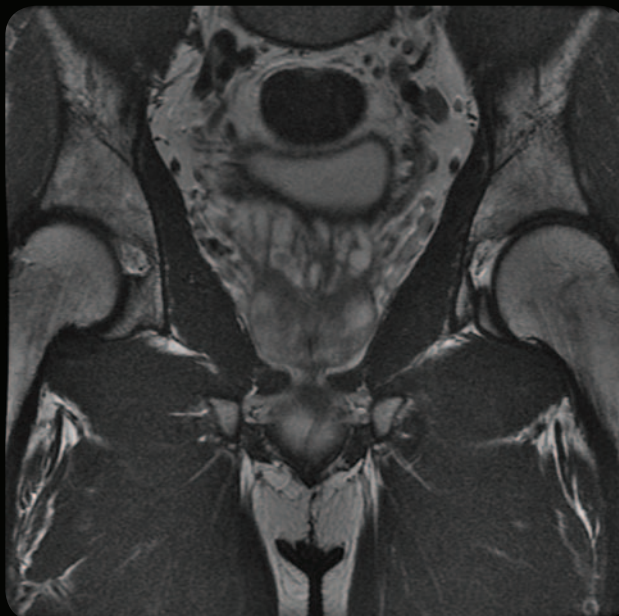


MultiDrive allows precise control of the RF environment through fully automated and independent RF pulse amplitude and phase control, providing consistently clear 3.0T images.

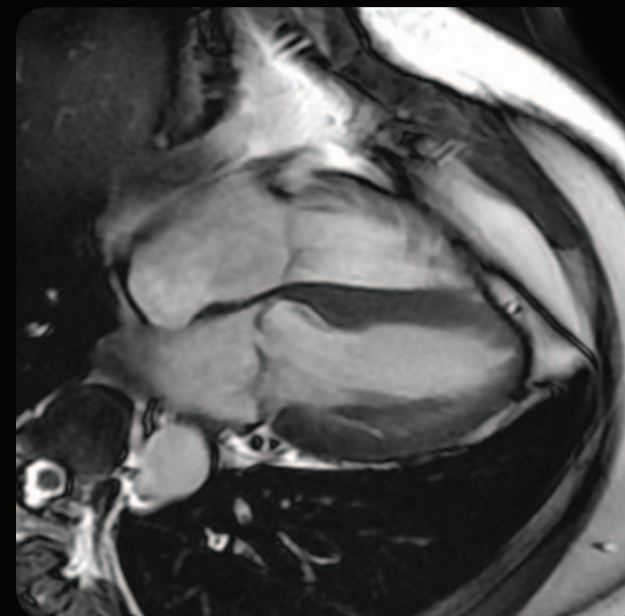
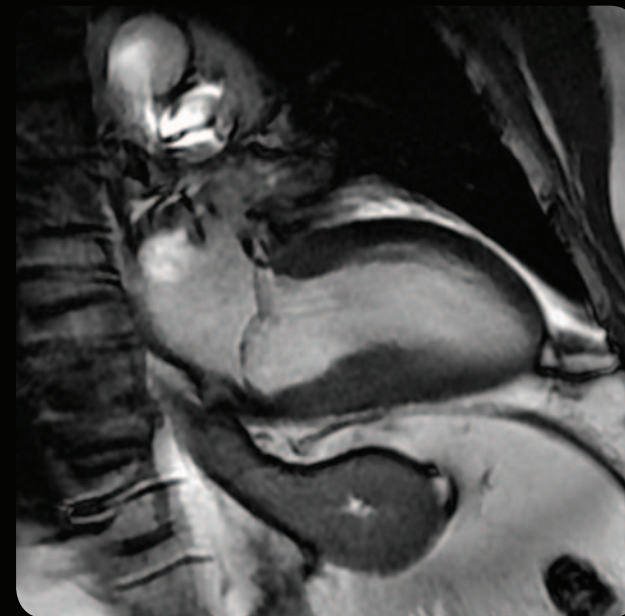
VIBRANT-Flex is a bilateral breast imaging technique that provides multiple tissue contrasts (water, fat, in-phase and out-of-phase) in a single acquisition. This technique enables outstanding fat exclusion and spatial detail. Resolution of images shown .9 x .9 x 1 mm .



PROPELLER T2 Axial and Sagittal images of the male pelvis.



2D Fiesta Cine Long axis and four chamber view of the heart.

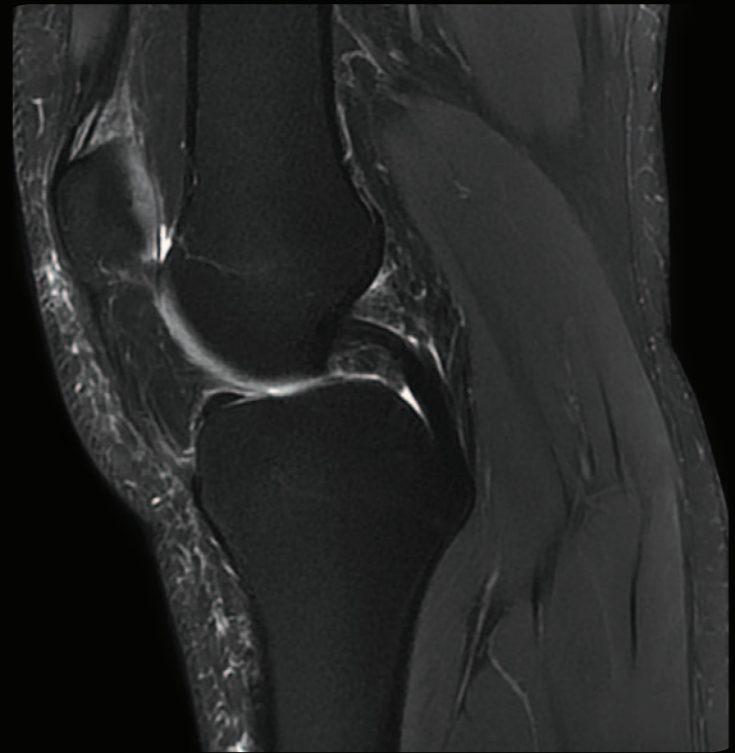


MSK

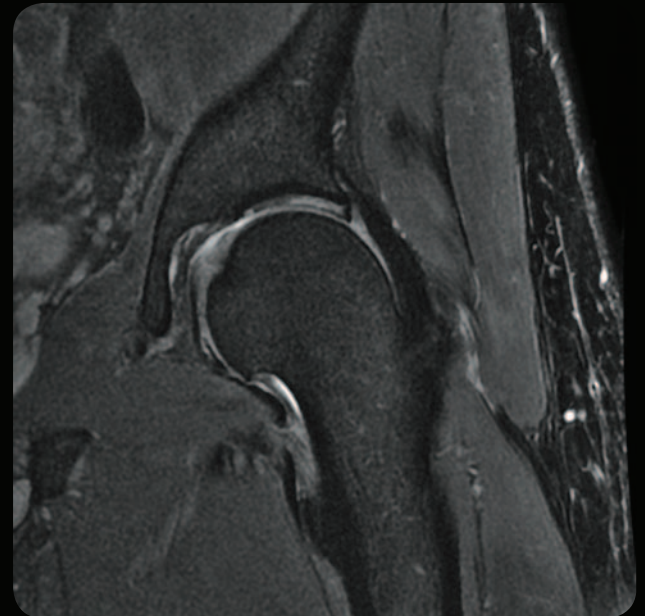
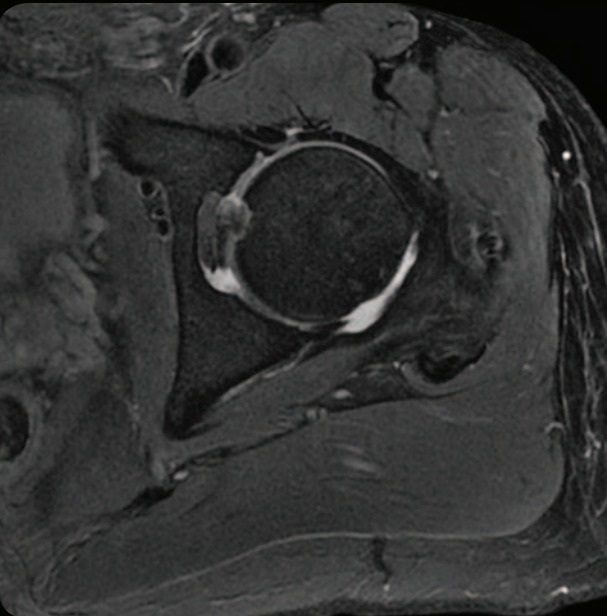
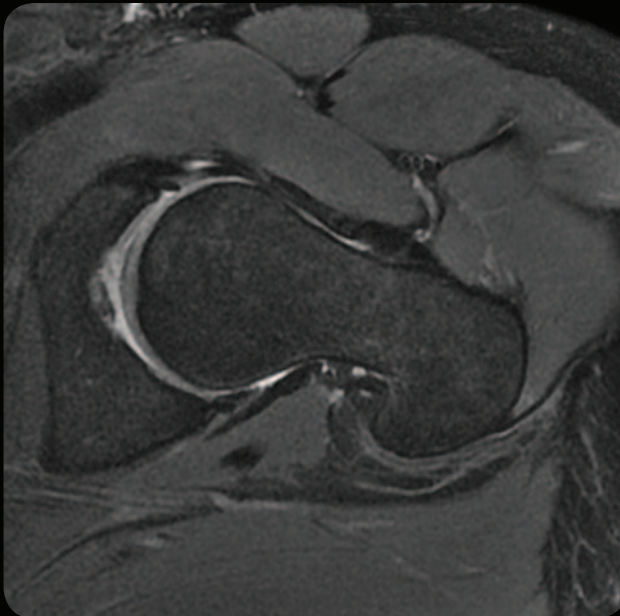
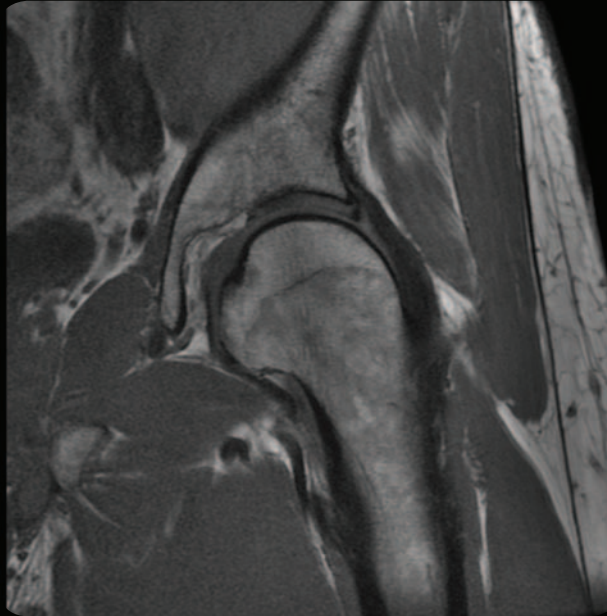
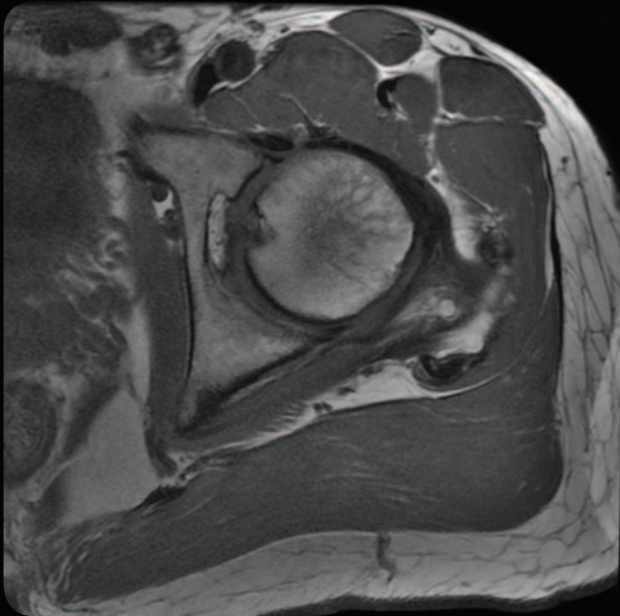
PD frFSE acquired with 1024 resolution and ARC acceleration.



PROPELLER T2 and PD FSE with fat suppression.

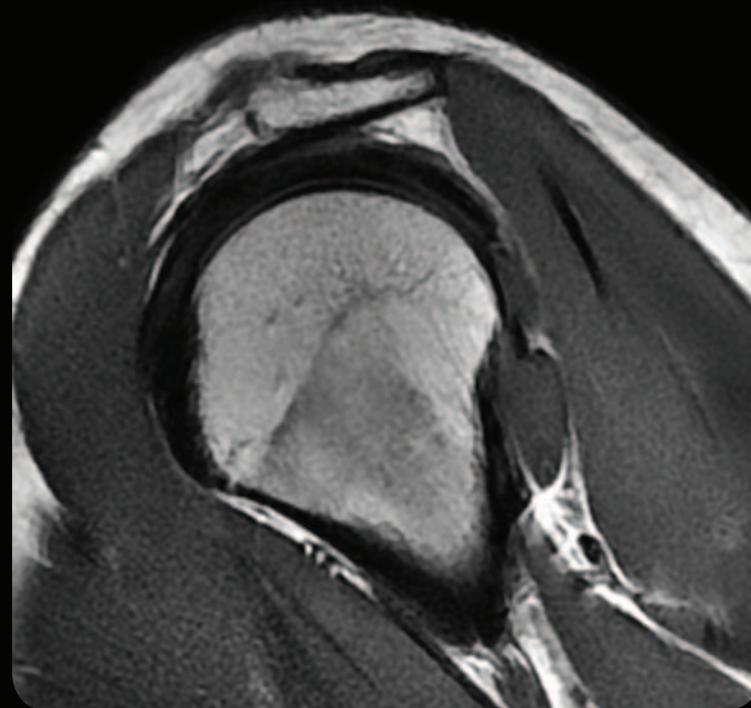
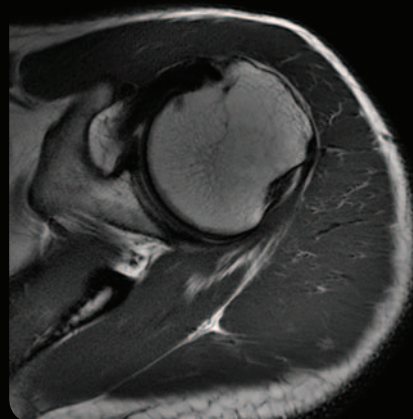
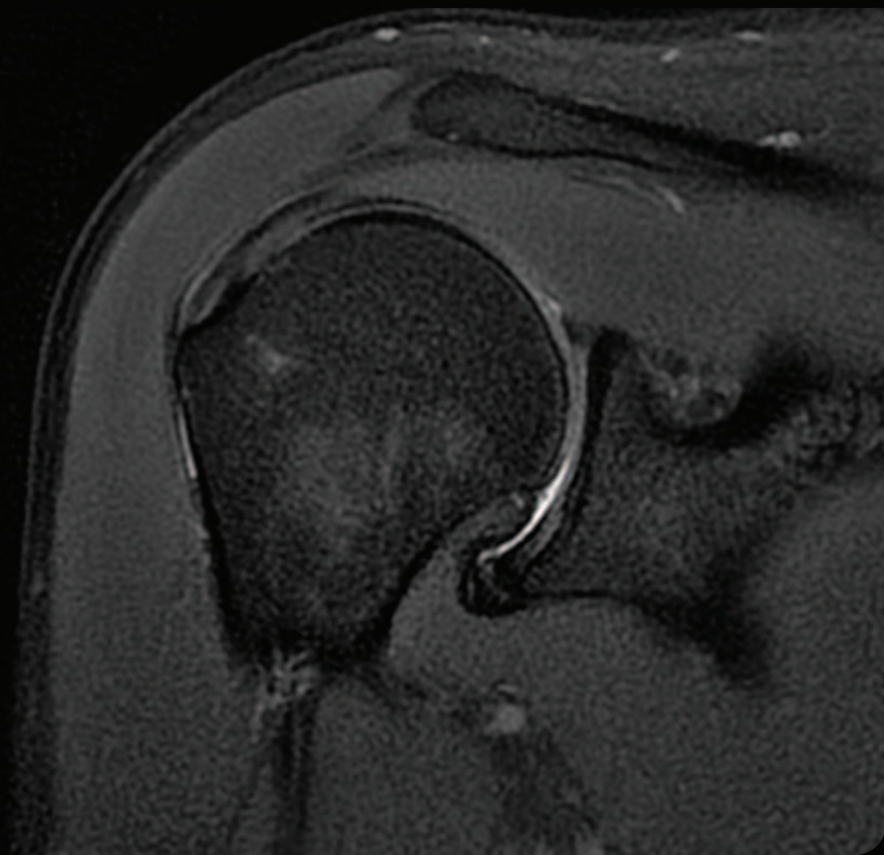


Off iso-center, fat suppressed PROPELLER PD demonstrating excellent magnet homogeneity.
Shown PROPELLER PD with and without fat saturation on hip imaging

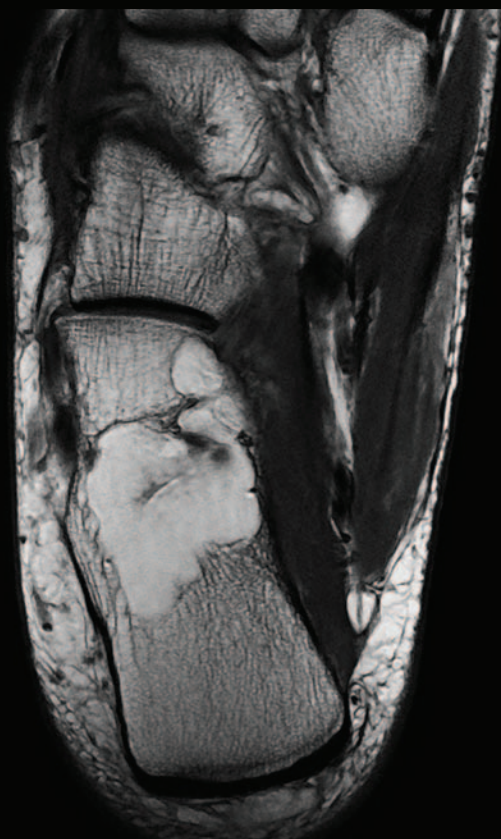


MSK

Off iso-center, fat suppressed PROPELLER PD demonstrating excellent magnet homogeneity. Shown PROPELLER PD with and without fat saturation.



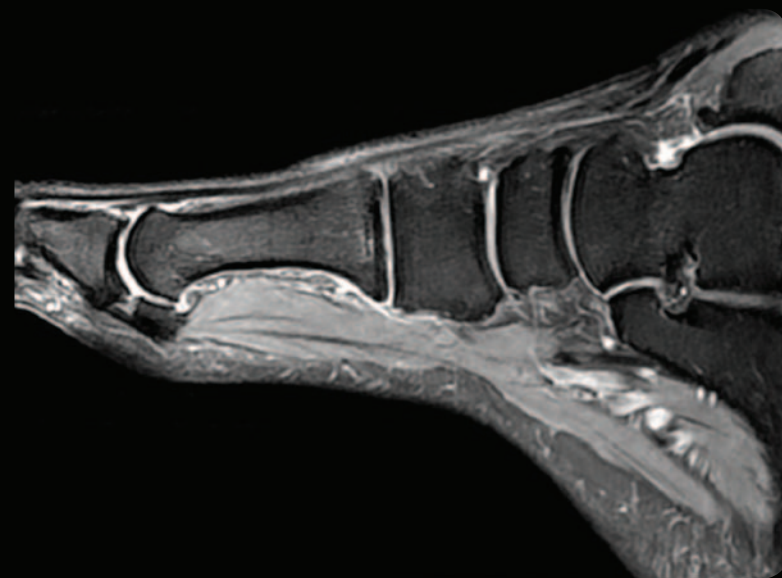
PD FSE with 1024 acquired resolution.



PROPELLER PD Sagittal and Coronal.

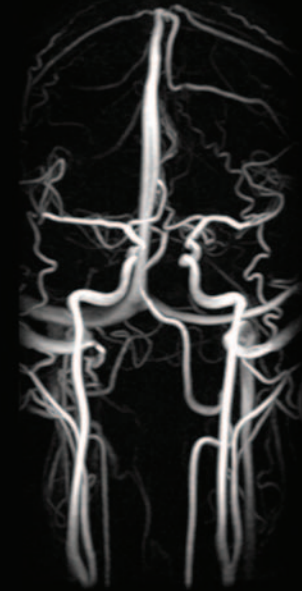
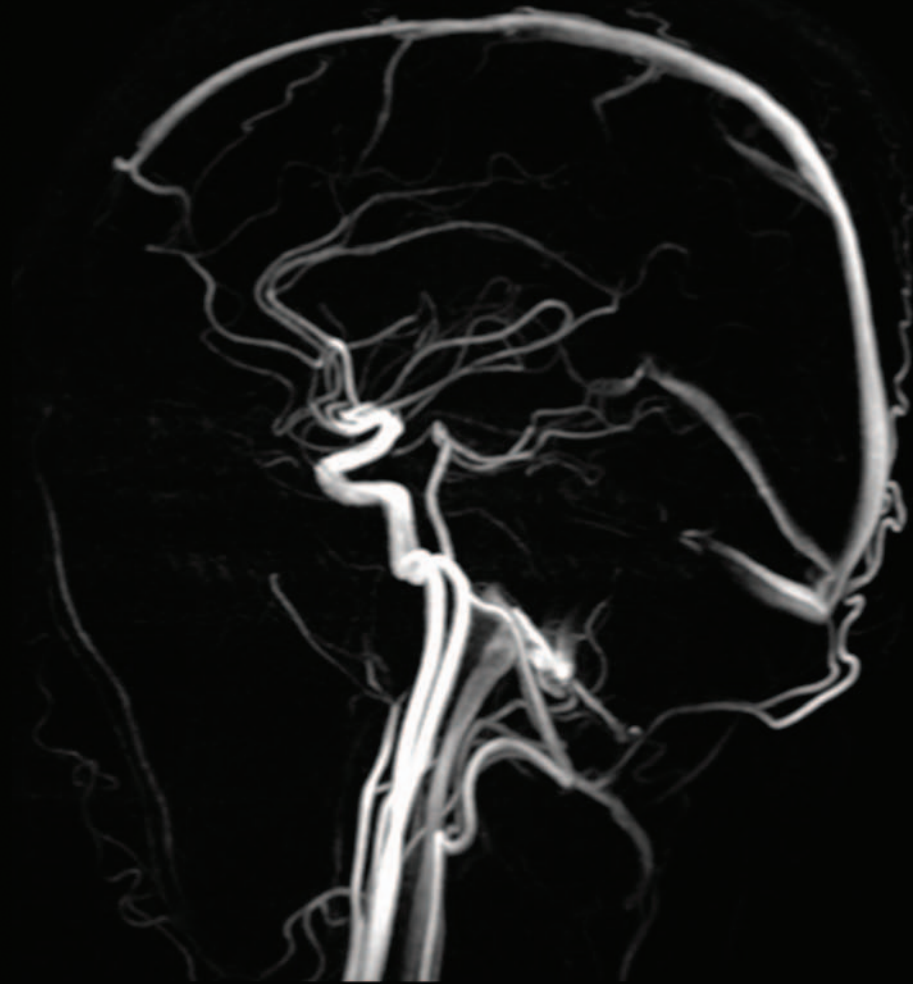


PD frFSE Coronal and Sagittal with fat suppression.

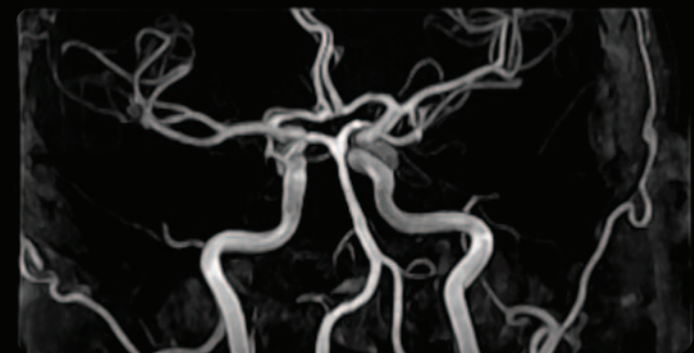
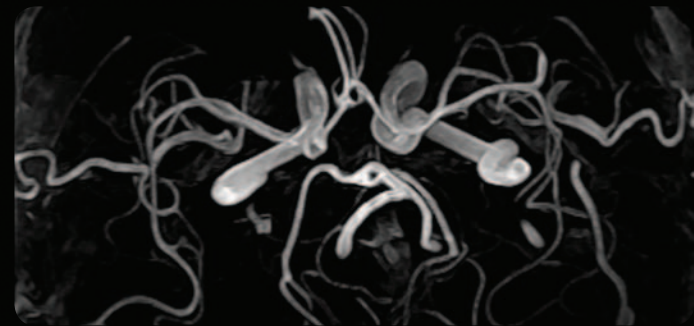


VASCULAR

Inhance Velocity allows high resolution, fast, non-contrast imaging of the arterial and venous structures in the brain.



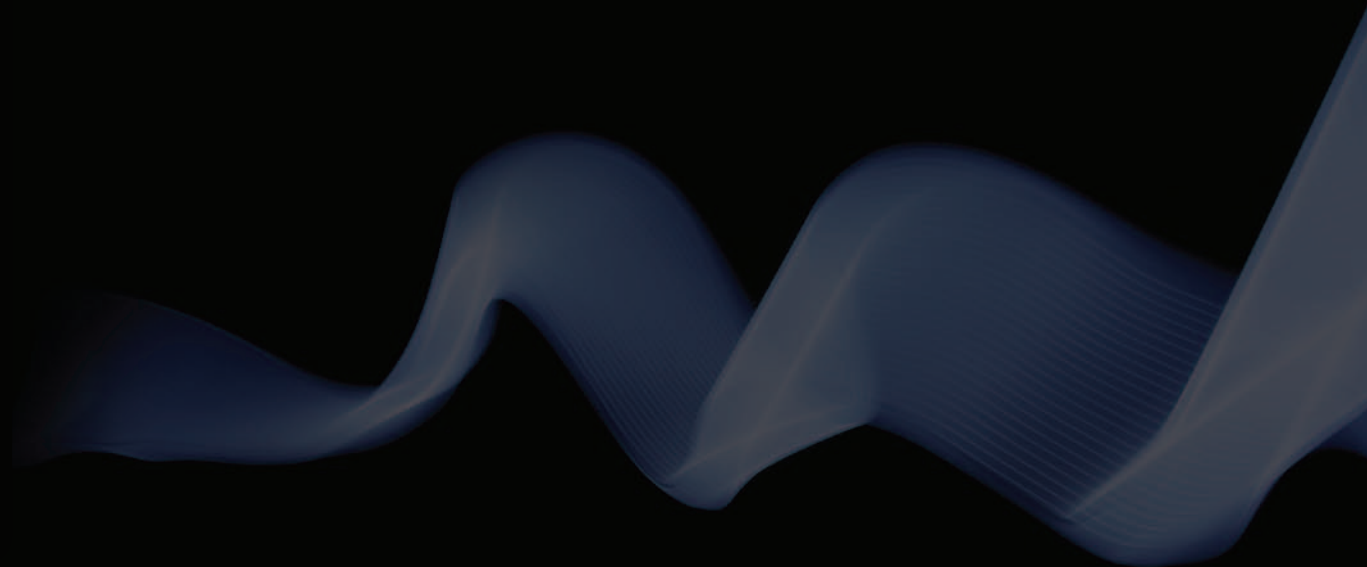
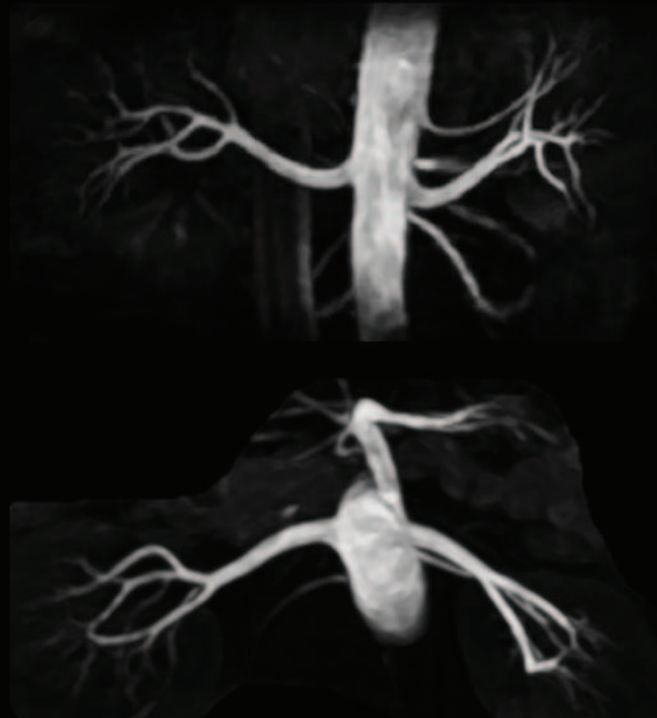
Non-contrast, high resolution 3D TOF with parallel imaging acquired in less than three minutes.



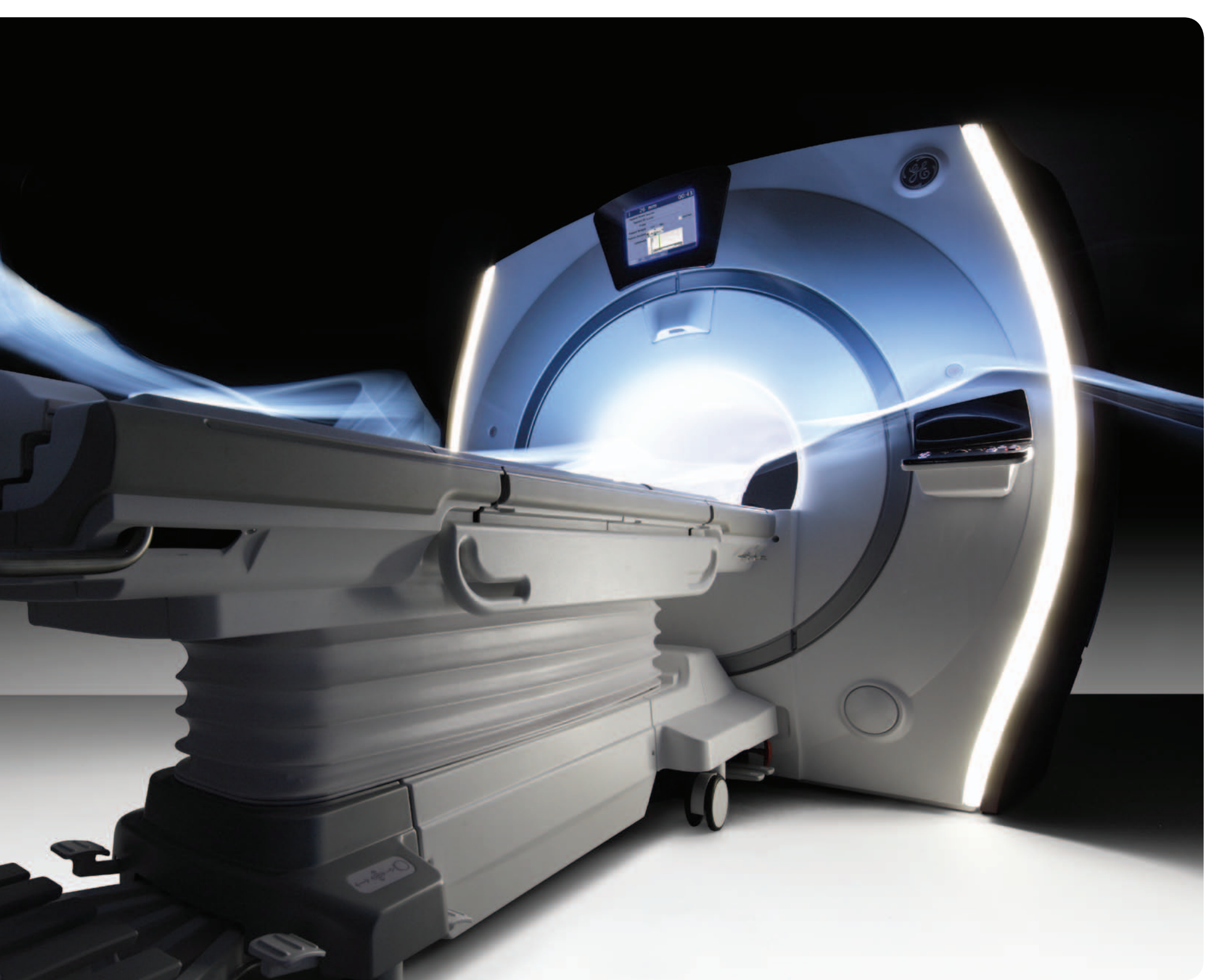
Non-contrast peripheral vascular runoff with GEM Suite using 3D Deltaflow and ARC acceleration. GEM Suite allows for multi-station angiography without repositioning the patient or coils. These three stations were acquired in less than three minutes per station.



Inhance IFIR (Inflow Inversion Recovery) enables acquisition of renal arteries with excellent background suppression with rapid scan times without the use of contrast media.







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The Discovery MR750w cannot be put into service until it has been made to comply with CE marking. It may not be available in all regions. 510(k) pending at FDA. Not available for sale in the USA.

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imagination at work