



# ***VELOCITY***

ADVANTAGES OF TRUE OPEN MRI



**High Performance, High Field Open MRI**



## MRI THAT OPENS A WORLD OF POSSIBILITIES

Physicians want high image quality. Technologists want speed and simplicity. Patients want to feel at ease. Get all this and more with OASIS Velocity™ MRI system.

Featuring an open architecture high field MRI system, OASIS Velocity™ MRI system's patient-centric design delivers outstanding operator convenience and excellent diagnostic performance. Its high field power is ideal for a wide range of imaging applications.

OASIS Velocity™ is a system that satisfies everyone.





No one wants to have an MRI. But when you have to have one, let's make it as pleasant as possible. OASIS Velocity™'s open-sided design and fast exams help maximize patient comfort. More patient-pleasing benefits further complement this unique experience.

#### OASIS Velocity™ Advantages

- Integrated lighting illuminates the patient area
- Wide table provides comfortable positioning
- SoftSound™ gradient technology reduces acoustic noise
- Constant two-way communication system provides reassurance
- Motion-compensated RADAR translates into excellent diagnostic sequences even with difficult patients
- Custom pads provide comfort and stability during scans





Bariatric patients face enough struggles in their daily lives. Undergoing a diagnostic imaging procedure should not be one of them. OASIS Velocity™ uses its high weight capacity, wide and comfortable patient table, and lateral opening to deliver comfortable, high-quality MRI exams to patients of size.

#### OASIS Velocity™ Advantages

- Table capacity of 300kg accommodates diverse patient population
- Wide patient table of 82cm places anatomy comfortably at iso-center for optimal SNR
- 3-axis motorized lateral table movement provides convenience
- Table lowers to 51cm for easy accessibility
- Sensitive multichannel RF coil technology adjusts to all patients

## KINDNESS MEETS TECHNOLOGY





## COMFORT FROM A CHILD'S PERSPECTIVE

Most kids who walk into your facility are unnerved by the big loud machine and the unfamiliar process of being scanned. The experience can be intimidating and frightening to even the bravest of children. That's what makes OASIS Velocity™ so ideal for young patients. Its open architecture allows caregivers to be by their side the entire time.

### OASIS Velocity™ Advantages

- Motion compensation technology reduces need for repeat scans
- Fast scanning and iterative processing techniques keep study time to a minimum
- Halo coil delivers quality imaging and an all-around view
- SoftSound™ gradient technology reduces acoustic noise





## IDEAL FOR THE INFIRM

Many senior patients have physical and mental limitations that can make a closed MRI exam a challenge. OASIS Velocity™ helps eradicate these obstacles. The adjustable table allows them to get on and off with ease. And because it can move laterally as well, your patients can be positioned perfectly without having to maintain awkward and uncomfortable positions.

### OASIS Velocity™ Advantages

- Table lowers to 51cm for easy accessibility
- In-bore lateral movement simplifies iso-center positioning for all extremities
- Motion-compensated RADAR translates into excellent diagnostic sequences even with difficult patients
- SoftSound™ gradient technology reduces acoustic noise
- Novel blanket coils allow for quick positioning





## GO FASTER FOR YOUR PATIENTS

High field resolution and stellar diagnostic performance raises the bar on image quality. Standard IP-RAPID technology combines parallel imaging, sparse sampling, and iterative processing to reduce exam time and boost resolution.

Blanket coils and workflow engineered integrated coil technology expedite the imaging process. Patient positioning is a snap. And the streamlined user interface and automatic integrated coil element selection enable technologists to quickly maximize patient throughput.

### OASIS Velocity™ Advantages

- 3-axis motorized lateral table movement provides convenience
- Sensitive multi-channel RF coil technology adjusts to all patients
- IP-RAPID iterative processing and sparse sampling reduce scan time



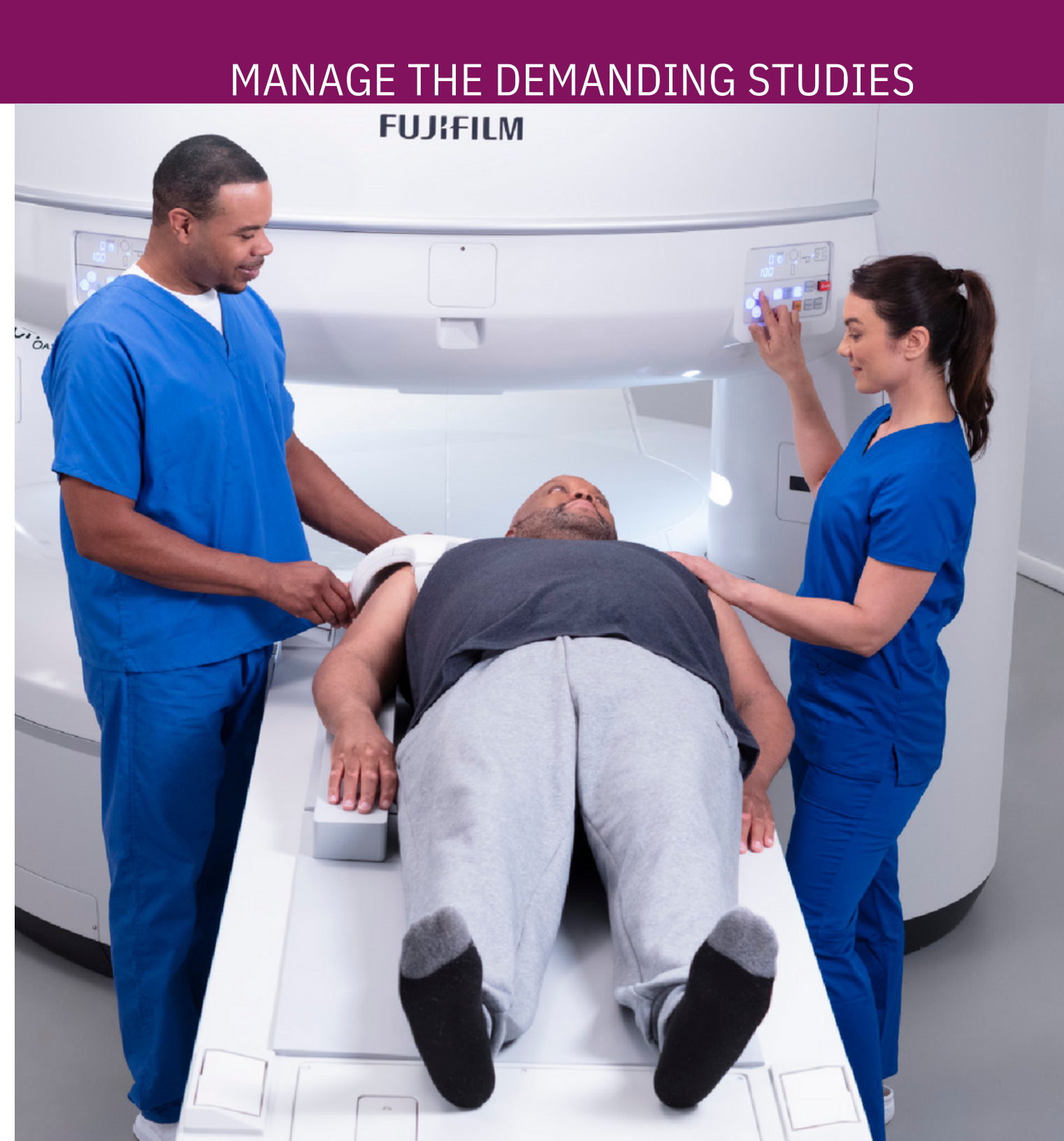


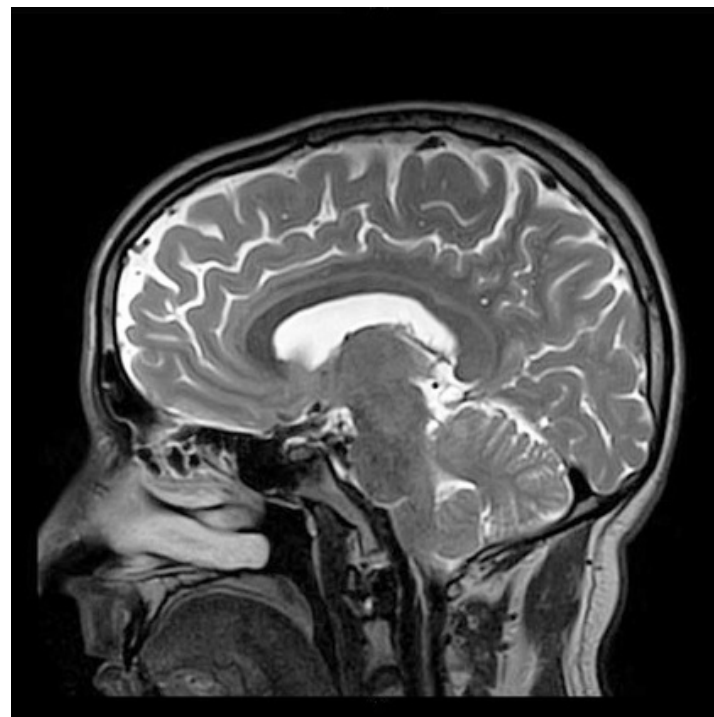
## MANAGE THE DEMANDING STUDIES

With features including its laterally-moving table that allows for easy iso-center positioning every time, OASIS Velocity™ is well suited for breast and musculoskeletal exams.

### OASIS Velocity™ Advantages

- Breast coil's high resolution imaging promotes diagnoses and interventions
- Lateral table movement puts extremities at patient's side with excellent fat suppression
- Fast dynamic (TIGRE) high resolution sequence delivers 3D fat saturated bilateral coverage
- Higher Order Active Shimming (HOAST) and regional shimming deliver an optimal RF fat saturation

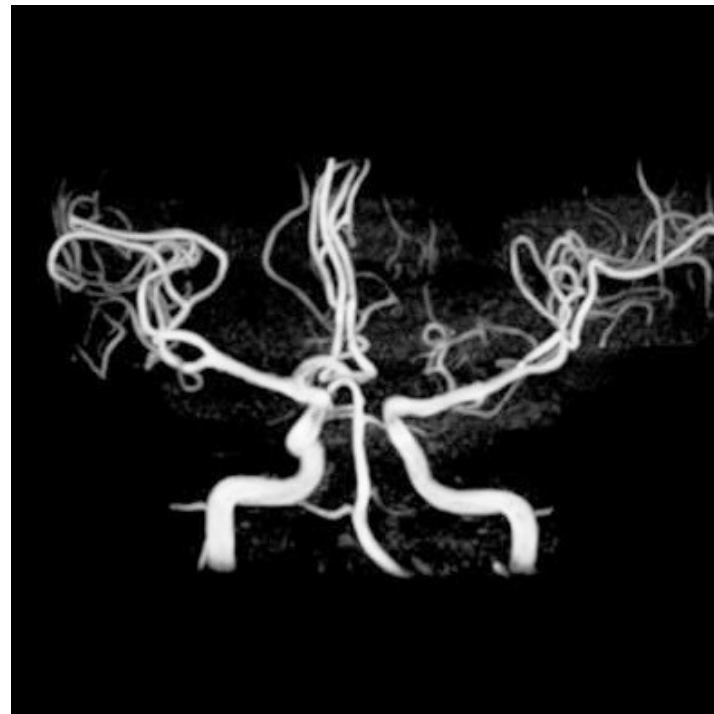




T2 isoFSE



VASC-ASL non-contrast



3D TOF



RADAR T2 opFSE

## SEEING IS BELIEVING

Image quality counts. And we made it our mission to deliver the the scan time and image resolution you need in the patient-friendly design you want. OASIS Velocity™ delivers outstanding images, short exam times, and ease of use benefits. Its robust clinical capability means it will be a versatile workhorse in your facility for years to come.

Technology to conform to the human condition. For all your patients.





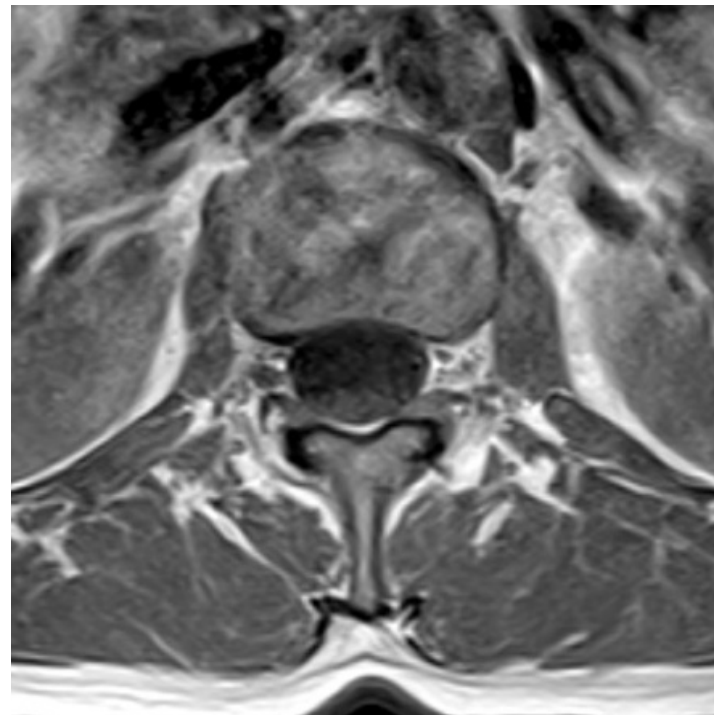
3D T1 RSSG Fat Sat



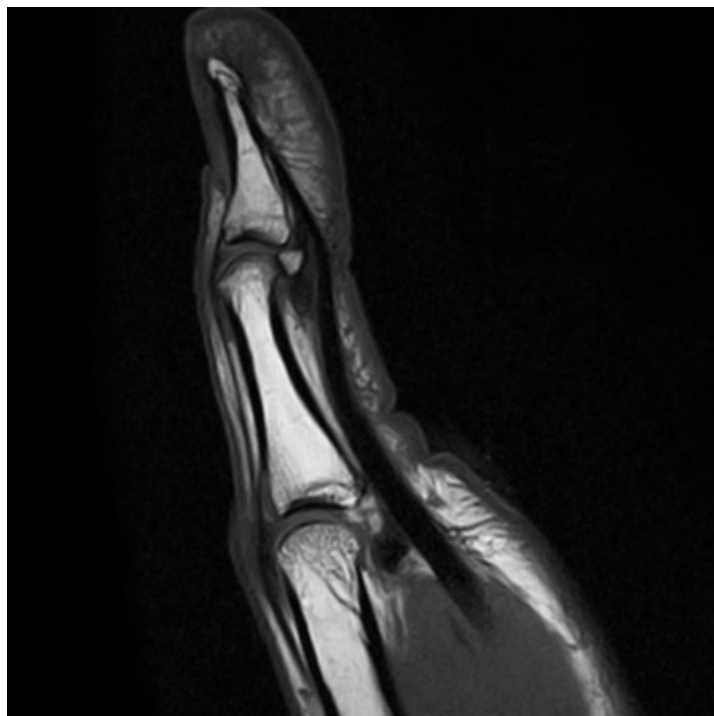
ADAGE 6CM FOV



T2 opFSE



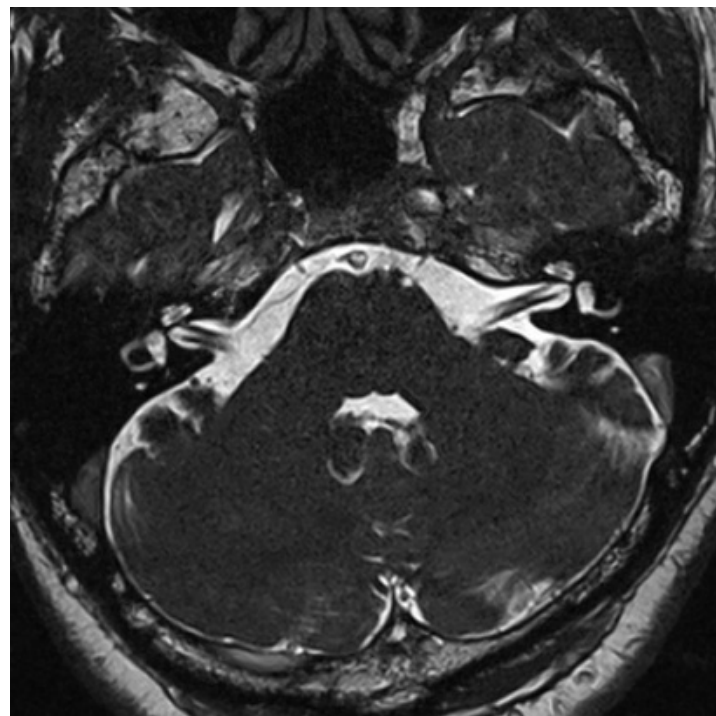
T1 FSE



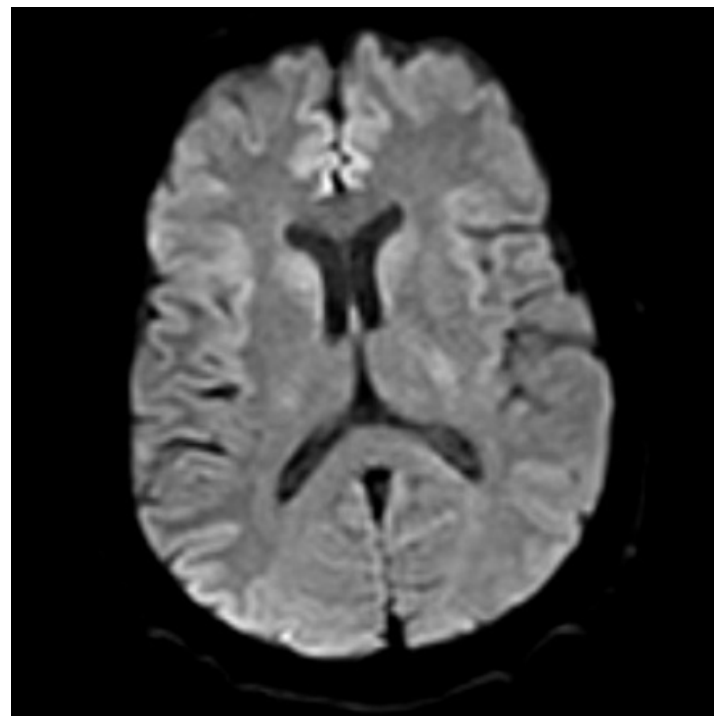
T1 SE



PD FSE



3D PBSG



SS-DWI b1000

## OASIS VELOCITY MRI SYSTEM TRANSFORM UPGRADE

Transform your current Oasis — the OASIS Velocity™ from Fujifilm Healthcare Americas.

The Oasis to Velocity transformation shatters expectations of high field open MRI. Open sided geometry and integrated RF coil technology bring unique patient comfort benefits, excellent image quality and high throughput.

The OASIS Velocity™ Upgrade enables you to:

- Retain your proven 1.2T vertical field magnet and HOAST active shimming benefits.
- Maintain the Open MR advantage to accommodate the most challenging patients with the comfort features you are accustomed to with Oasis MRI System.
- Enjoy a new imaging platform's potential for faster workflow, enhanced image quality, and increased throughput
- Experience IP-RAPID - a cutting-edge high-speed imaging technology combining under-sampling and iterative processing methods, reducing scan time and maintaining image quality. Selectable with wide varieties of 2D sequences and select 3D sequences and can be applied to a wide range of anatomical regions including neuro, body, and orthopedic.

SEE HOW OASIS VELOCITY CAN IMPROVE YOUR THROUGHPUT AND IMAGE QUALITY

BRAIN	Oasis				OASIS Velocity™				Spatial Resolution	Time Reduction
Sequence	FOV	Sl. Thickness	Matrix	Scan Time	FOV	Sl.Thickness	Matrix	Scan Time		
Sag T1 FLAIR	220	5	320 x 256	3:43	230		5320 x 256	2:09	Equivalent	40%
Axial T2 FSE	220	5	512 x 320	3:07	220		5512 x 320	1:19	Equivalent	
Axial T2 FLAIR	220	5	256 x 256	3:34	220		5288 x 256	2:30	Higher	
Axial DWI	255	5	128 x 128	1:09	240		5128 x 128	1:01	Equivalent	
Total Study Time	11:33				6:59					

CERVICAL SPINE	Oasis				OASISVelocity™				Spatial Resolution	Time Reduction
Sequence	FOV	Sl. Thickness	Matrix	Scan Time	FOV	Sl.Thickness	Matrix	Scan Time		
Sag T2 FSE	240	3	384 x 288	3:23	240		3384 x 288	1:57	Equivalent	42%
Sag T1 FLAIR	240	3	256 x 256	3:35	240		3256 x 256	2:08	Equivalent	
Sag T2 FSE FatSat	240	3	320 x 224	4:39	240		3320 x 256	2:07	Higher	
Axial T2 FSE	200	3	256 x 224	4:12	200		3256 x 224	2:58	Equivalent	
Total Study Time	15:49				9:10					

LUMBAR SPINE	Oasis				OASIS Velocity™				Spatial Resolution	Time Reduction
Sequence	FOV	Sl. Thickness	Matrix	Scan Time	FOV	Sl.Thickness	Matrix	Scan Time		
Sag T2 FSE	280	4	320 x 288	3:21	280		4320 x 320	1:58	Higher	41%
Sag STIR	280	4	320 x 192	3:49	280		4320 x 224	2:01	Higher	
Sag T1 FSE	280	4	320 x 288	3:48	280		4320 x 288	2:11	Equivalent	
Axial T2 FSE	200	4	256 x 192	3:58	200		4288 x 192	2:32	Higher	
Cor T2 FSE	280	4	320 x 256	2:57	280		4320 x 256	1:52	Equivalent	
Total Study Time	17:53				10:34					

OASIS Velocity™’s RF coil technology and IP-RAPID 2D accelerated imaging drive reduced scan times and increased spatial resolution flexibility

SHOULDER	Oasis				OASIS Velocity™				Spatial Resolution	Time Reduction
Sequence	FOV	Sl. Thickness	Matrix	Scan Time	FOV	Sl.Thickness	Matrix	Scan Time		
Sag T2 FSE	150	3.5	288 x 256	4:21	150		3.5288 x 256	2:00	Equivalent	34%
Axial PD FSE FatSat	160	4	288 x 224	3:33	160		4288 x 224	2:41	Equivalent	
Cor T2 FSE FatSat	150	3.5	256 x 192	4:21	150		3.5320 x 224	3:16	Higher	
Cor T1 FSE	150	3.5	288 x 256	3:36	150		3.5320 x 256	2:22	Higher	
Axial T1 FSE FatSat	160	4	288 x 224	3:56	160		4320 x 224	2:37	Higher	
Axial T2* GE (In Phase)	160	4	288 x 192	3:33	160		4320 x 192	2:21	Higher	
Total Study Time	23:20				15:17					

KNEE	Oasis				OASIS Velocity™				Spatial Resolution	Time Reduction
Sequence	FOV	Sl. Thickness	Matrix	Scan Time	FOV	Sl.Thickness	Matrix	Scan Time		
Axial PD FSE FatSat	160	4	288 x 224	3:55	150		4320 x 256	2:14	Higher	42%
Sag PD FSE	150	3	320 x 320	3:55	150		3384 x 320	2:04	Higher	
Sag T2 FSE	150	3	320 x 320	2:56	150		3384 x 384	2:03	Higher	
Cor PD FSE FatSat	150	3	256 x 256	3:47	150		3320 x 256	2:28	Higher	
Cor T1 FSE	150	3	256 x 256	3:49	150		3320 x 288	1:51	Higher	
Total Study Time	18:22				10:40					

ANKLE	Oasis				OASIS Velocity™				Spatial Resolution	Time Reduction
Sequence	FOV	Sl. Thickness	Matrix	Scan Time	FOV	Sl.Thickness	Matrix	Scan Time		
Axial T1 FSE	150	4	256 x 256	3:04	150		4256 x 256	2:04	Equivalent	30%
Axial T2 FSE FatSat	150	4	288 x 192	4:03	150		4288 x 192	2:47	t	
Sag T2 FSE FatSat	150	3	224 x 192	3:53	150		3256 x 192	2:42	Equivalent	
Cor T2 FSE FatSat	150	4	288 x 192	3:46	150		4288 x 192	2:37	Equivalent	
Axial T1 FSE FatSat	150	4	256 x 192	4:12	150		4256 x 192	2:58	t	
Total Study Time	18:58				13:08				Equivalent	

HIPS	Oasis				OASIS Velocity™				Spatial Resolution	Time Reduction
Sequence	FOV	Sl. Thickness	Matrix	Scan Time	FOV	Sl.Thickness	Matrix	Scan Time		
Bilateral Cor T1 FSE	360	4	384 x 256	3:28	360		4384 x 256	2:35	Equivalent	29%
Bilateral Cor STIR	360	4	320 x 224	3:46	360		4320 x 256	3:19	Higher	
Unil Axial PD FSE FatSat	200	4.5	256 x 192	4:47	180		4256 x 192	3:03	Higher	
Uni. Sag PD FSE	200	4.5	256 x 200	4:00	180		4288 x 224	2:27	Higher	
Uni. Cor PD FSE	200	4	320 x 192	3:48	180		4320 x 192	2:44	Higher	
Uni. Axial T1 RSSG FatSep	200	4.5	224 x 192	4:30	180		4224 x 192	3:01	Higher	
Total Study Time	24:19				17:09					



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Value from Innovation