NW
IMAGING FORUMS, INC.

PERIANAL FISTULA 1.5T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Have patient empty bladder before scanning • Cover pelvis, particularly through soft tissue past the rectum area
Common Indications	Suspected perianal fistula, perianal abscess, Crohn's disease, rectovaginal or rectovesicular fistula
Position	Supine; head or feet first
Coil	Body Array (anterior); Spine Array (posterior)
Landmark	Center of coil; below belly button; adjust after LOC using ISO mode imaging

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate	Dose Timing Method and Scan Delay
Gadopiclenol (VUEWAY)	0.05 mmol/kg	2 mL/sec	Refer to postcontrast delay times below
Saline Flush	20 mL	2 mL/sec	—
Comments	• Report agent administered and dose • Use minimal dose for patients with a GFR <30 mL/sec		

IMAGING PARAMETERS

Scan Description	3 PLANE HASTE SCOUT	SAGITTAL OBLIQUE T2	AXIAL T2 TSE Fat Sat	CORONAL T2 TSE	AXIAL T2 TSE Non Fat Sat Large FOV	AXIAL DWI	AXIAL 3D IN OUT CAIPI	SAGITTAL VIBE Pre	CORONAL VIBE Pre	AXIAL VIBE Pre CAIPI Small FOV	AXIAL VIBE Post CAIPI 30 sec 60 sec	AXIAL VIBE Post Large FOV 180 sec	CORONAL VIBE Post CAIPI 60 sec	SAGITTAL VIBE Post 180 sec
Sequence Name	h	tse	tse	tse	tse	epse	fl	fl	fl	fl	fl	fl	fl	fl
Dimension	2D	2D	2D	2D	2D	—	3D	3D	3D	3D	3D	3D	3D	3D
Acceleration Mode	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	CAIPIRINHA	GRAPPA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	GRAPPA
Acceleration Factor PE	2	2	2	2	2	2	2	2	2	2	2	2	2	2

SCAN PARAMETERS

Scan Description	3 PLANE HASTE SCOUT	SAGITTAL OBLIQUE T2	AXIAL T2 TSE Fat Sat	CORONAL T2 TSE	AXIAL T2 TSE Non Fat Sat Large FOV	AXIAL DWI	AXIAL 3D IN OUT CAIPI	SAGITTAL VIBE Pre	CORONAL VIBE Pre	AXIAL VIBE Pre CAIPI Small FOV	AXIAL VIBE Post CAIPI 30 sec 60 sec	AXIAL VIBE Post Large FOV 180 sec	CORONAL VIBE Post CAIPI 60 sec	SAGITTAL VIBE Post 180 sec
TR	1000 ms	7000 ms	7940 ms	7440 ms	5710 ms	4300 ms	6.7 ms	4.4 ms	4.4 ms	4.5 ms	4.5 ms	3.5 ms	4.4 ms	4.4 ms
TE	121 ms	113 ms	108 ms	115 ms	113 ms	85 ms	1: 2.39 ms 2: 4.77 ms	2.24 ms	2.24 ms	2.3 ms	2.3 ms	1.78 ms	2.24 ms	2.24 ms
Flip Angle	105 deg	160 deg	160 deg	160 deg	160 deg	—	10 deg	10 deg	10 deg	10 deg	10 deg	10 deg	10 deg	10 deg
Turbo Factor	256	23	23	25	23	—	—	—	—	—	—	—	—	—
Bandwidth	698 Hz/Px	200 Hz/Px	200 Hz/Px	199 Hz/Px	199 Hz/Px	1144 Hz/Px	510 Hz/Px	450 Hz/Px	450 Hz/Px	450 Hz/Px	450 Hz/Px	640 Hz/Px	450 Hz/Px	450 Hz/Px
Fat-Water Contrast	Standard	Standard	Fat Saturation	Standard	Standard	SPAIR	Dixon	Fast Fat Saturation	Fast Fat Saturation	Fast Fat Saturation	Fast Fat Saturation	Fast Fat Saturation	Fast Fat Saturation	Fast Fat Saturation
Fat Saturation	—	—	Strong	—	—	Strong	—	—	—	—	—	—	—	—
Gradient Mode	Fast	Normal	Normal	Normal	Normal	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast
RF Pulse Type	Normal	Low SAR	Low SAR	Low SAR	Low SAR	Low SAR	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast
Asymmetric Echo	—	—	—	—	—	—	Strong	Off	Off	Off	Off	Off	Off	Off

Disclaimer: The MR Protocols information is provided by independent physicians and technologists and is not intended to provide definitive or complete medical instructional or treatment information. Products referenced herein should be used consistently with their package inserts, and any devices referenced herein should be used consistently with the operation instructions provided by their respective manufactures. Northwest Imaging Forums, Inc. and Bracco Diagnostics Inc. do not offer medical advice and shall not be responsible for any person's reliance on this protocol.

Supported by an educational grant from Bracco Diagnostics Inc.

MR Gadopiclenol (VUEWAY®) Protocol for Siemens MRI Scanners
Body MR Imaging

IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	3 PLANE HASTE SCOUT	SAGITTAL OBLIQUE T2	AXIAL T2 TSE Fat Sat	CORONAL T2 TSE	AXIAL T2 TSE Non Fat Sat Large FOV	AXIAL DWI	AXIAL 3D IN OUT CAIPI	SAGITTAL VIBE Pre	CORONAL VIBE Pre	AXIAL VIBE Pre CAIPI Small FOV	AXIAL VIBE Post CAIPI 30 sec 60 sec	AXIAL VIBE Post Large FOV 180 sec	CORONAL VIBE Post CAIPI 60 sec	SAGITTAL VIBE Post 180 sec
Base Resolution	256	320	320	256	256	112	288	288	288	288	288	288	288	288
Phase Resolution	100%	83%	86%	93%	86%	100%	80%	75%	75%	75%	75%	75%	75%	75%
Slice Resolution	—	—	—	—	—	—	60%	60%	61%	60%	60%	60%	61%	60%
Averages	1	3	2	2	3	2, 4	1	1	1	1	1	1	1	1
Concatenations	1	1	1	1	1	1	1	1	1	1	1	1	1	1
b-value	—	—	—	—	—	0 s/mm2 50 s/mm2 800 s/mm2	—	—	—	—	—	—	—	—
FoV Read	380 mm	275 mm	240 mm	240 mm	300 mm	240 mm	380 mm	300 mm	300 mm	280 mm	280 mm	380 mm	300 mm	300 mm
FoV Phase	100%	100%	100%	100%	100%	100%	92%	92%	100%	81%	81%	92%	100%	92%
Phase Encoding Dir.	R >> L	A >> P	R >> L	R >> L	R >> L	A >> P	A >> P	A >> P	R >> L	A >> P	A >> P	A >> P	R >> L	A >> P
Phase Oversampling	50%	20%	100%	100%	40%	10%	30%	20%	30%	20%	20%	30%	30%	20%
Slice Oversampling	—	—	—	—	—	—	33%	0%	27%	60%	60%	33%	27%	0
Phase Partial Fourier	5/8	Off	Off	Off	Off	6/8	6/8	6/8	6/8	6/8	6/8	6/8	6/8	6/8
Slice Partial Fourier	—	—	—	—	—	—	6/8	6/8	6/8	6/8	6/8	6/8	6/8	6/8
Flow Compensation	None	None	None	None	None	—	—	—	—	—	—	—	—	—

SCANNING RANGE

Scan Description	3 PLANE HASTE SCOUT	SAGITTAL OBLIQUE T2	AXIAL T2 TSE Fat Sat	CORONAL T2 TSE	AXIAL T2 TSE Non Fat Sat Large FOV	AXIAL DWI	AXIAL 3D IN OUT CAIPI	SAGITTAL VIBE Pre	CORONAL VIBE Pre	AXIAL VIBE Pre CAIPI Small FOV	AXIAL VIBE Post CAIPI 30 sec 60 sec	AXIAL VIBE Post Large FOV 180 sec	CORONAL VIBE Post CAIPI 60 sec	SAGITTAL VIBE Post 180 sec
Elliptical Filter	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
Normalize	Prescan	Prescan	Prescan	Prescan	Prescan	Off	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan
Raw Filter	Off	Off	Off	Off	Off	On	Off	Off	Off	Off	Off	Off	Off	Off
Distortion Correction	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D
Slice Thickness	6.0 mm	4.0 mm	4.0 mm	4.0 mm	5.0 mm	7.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm
Distance Factor	150%	20%	20%	20%	20%	0%	20%	20%	20%	20%	20%	20%	20%	20%
Slices	Slices 13	Slices 24	Slices 20	Slices 25	Slices 20	Slices 20	Slices per Slab 72	Slices per Slab 60	Slices per Slab 88	Slices per Slab 60	Slices per Slab 60	Slices per Slab 72	Slices per Slab 88	Slices per Slab 60
Time of Acquisition	34 sec	2:36 min	3:28 min	2:38 min	2:07 min	1:40 min	18 sec	16 sec	17 sec	12 sec	12 sec	11 sec	17 sec	16 sec

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