NW
IMAGING FORUMS, INC.

PERIANAL FISTULA 3T

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 LOCALIZER	SAGITTAL T2	AXIAL T2 Fat Sat	CORONAL T2	AXIAL T2 Large FOV	AXIAL DWI	AXIAL 3D In-Out-of-Phase	SAGITTAL VIBE Pre	CORONAL VIBE Pre	AXIAL VIBE Pre	AXIAL VIBE Post 30 sec 60 sec	AXIAL VIBE Post Large FOV 180 sec	CORONAL VIBE Post 90 sec	SAGITTAL VIBE Post 180 sec
Sequence Name	h	tse	tseR	tse	tseR	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	SMS	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA
Acceleration Factor PE	2	4	4	4	4	2	2	2	2	2	2	2	2	2
Acceleration Factor 3D	—	—	—	—	—	—	2	2	2	2	2	2	2	2

SCAN PARAMETERS

Scan Description	3 PLANE HASTE LOCALIZER	SAGITTAL T2	AXIAL T2 Fat Sat	CORONAL T2	AXIAL T2 Large FOV	AXIAL DWI	AXIAL 3D In-Out-of-Phase	SAGITTAL VIBE Pre	CORONAL VIBE Pre	AXIAL VIBE Pre	AXIAL VIBE Post 30 sec	AXIAL VIBE Post Large FOV 180 sec	CORONAL VIBE Post 90 sec	SAGITTAL VIBE Post 180 sec
TR	1000 ms	6210 ms	3470 ms	6000 ms	3500 ms	4000 ms	4.6 ms	4.4 ms	4 ms	3.7 ms	3.7 ms	3 ms	4 ms	4.4 ms
TE	131 ms	111 ms	78 ms	111 ms	109 ms	66 ms	1: 1.23 ms 2: 2.46 ms	2.18 ms	1.49 ms	1.49 ms	1.49 ms	1.16 ms	1.49 ms	2.18 ms
Flip Angle	105 deg	160 deg	160 deg	160 deg	160 deg	—	9 deg	10 deg	9 deg	9 deg	9 deg	9 deg	9 deg	10 deg
Turbo Factor	256	19	16	19	22	—	—	—	—	—	—	—	—	—
Bandwidth	698 Hz/Px	228 Hz/Px	230 Hz/Px	228 Hz/Px	260 Hz/Px	1736 Hz/Px	1200 Hz/Px	420 Hz/Px	420 Hz/Px	420 Hz/Px	420 Hz/Px	650 Hz/Px	420 Hz/Px	420 Hz/Px
Fat-Water Contrast	Standard	Standard	SPAIR	Standard	Standard	SPAIR	Dixon	Fast Fat Saturation	SPAIR	SPAIR	SPAIR	SPAIR	SPAIR	Fast Fat Saturation
Fat Saturation	—	—	Strong	—	—	Strong	—	—	—	—	—	—	—	—
Gradient Mode	Fast	Normal	Normal	Normal	Normal	Normal	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast
RF Pulse Type	Optimized	Normal	Normal	Normal	Normal	Low SAR	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast
Asymmetric Echo	—	—	—	—	—	—	Off	Off	Weak	Weak	Weak	Weak	Weak	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

NW IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	3 PLANE HASTE LOCALIZER	SAGITTAL T2	AXIAL T2 Fat Sat	CORONAL T2	AXIAL T2 Large FOV	AXIAL DWI	AXIAL 3D In-Out-of-Phase	SAGITTAL VIBE Pre	CORONAL VIBE Pre	AXIAL VIBE Pre	AXIAL VIBE Post 30 sec	AXIAL VIBE Post Large FOV 180 sec	CORONAL VIBE Post 90 sec	SAGITTAL VIBE Post 180 sec
Base Resolution	256	384	320	384	448	144	320	320	320	320	320	320	320	320
Phase Resolution	100%	85%	100%	85%	75%	100%	75%	70%	70%	70%	70%	70%	70%	70%
Slice Resolution	—	—	—	—	—	—	57%	50%	60%	50%	50%	50%	60%	50%
Averages	1	1	1	1	1	3, 5	1	1	1	1	1	1	1	1
Concatenations	2	1	2	1	2	1	1	1	1	1	1	1	1	1
b-value >=	—	—	—	—	—	0 s/mm2 50 s/mm2 800 s/mm2	—	—	—	—	—	—	—	—
FoV Read	360 mm	230 mm	230 mm	230 mm	350 mm	380 mm	400 mm	260 mm	260 mm	260 mm	260 mm	350 mm	260 mm	260 mm
FoV Phase	100%	100%	100%	100%	100%	81%	75%	100%	100%	100%	100%	100%	100%	100%
Phase Encoding Dir.	R >> L	P >> A	R >> L	R >> L	R >> L	A >> P	A >> P	A >> P	R >> L	A >> P	A >> P	A >> P	R >> L	A >> P
Slice Oversampling	—	—	—	—	—	—	36%	25%	33%	33%	33%	30%	33%	25%
Phase Partial Fourier	4/8	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	7/8	Off	Off
Slice Partial Fourier	—	—	—	—	—	—	7/8	7/8	6/8	7/8	7/8	7/8	6/8	7/8
Flow Compensation	None	None	None	None	None	—	—	—	—	—	—	—	—	—

SCANNING RANGE

Scan Description	3 PLANE HASTE LOCALIZER	SAGITTAL T2	AXIAL T2 Fat Sat	CORONAL T2	AXIAL T2 Large FOV	AXIAL DWI	AXIAL 3D In-Out-of-Phase	SAGITTAL VIBE Pre	CORONAL VIBE Pre	AXIAL VIBE Pre	AXIAL VIBE Post 30 sec	AXIAL VIBE Post Large FOV 180 sec	CORONAL VIBE Post 90 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	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan
Distortion Correction	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D
Slice Thickness	6.0 mm	3.0 mm	4.0 mm	3.0 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	175%	10%	12%	18%	15%	0%	20%	20%	20%	20%	20%	20%	20%	20%
Slices	13 Slices	31 Slices	28 Slices	28 Slices	30 Slices	36 Slices	88 Slices per Slab	64 Slices per Slab	72 Slices per Slab	72 Slices per Slab	72 Slices per Slab	80 Slices per Slab	72 Slices per Slab	64 Slices per Slab
Time of Acquisition	35 sec	1:42 min	2:04 min	1:38 min	1:17 min	2:33 min	18 sec	15 sec	23 sec	20 sec	20 sec	14 sec	23 sec	15 sec

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