NW
IMAGING FORUMS, INC.

MR ENTEROGRAPHY 3T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Neural oral contrast such as 3 bottles of VoLumen (450 cc each) or 2 bottles of Breeza (473 cc each). Drinking oral contrast takes place over the course of one hour • Patients should be NPO at least 4 hours prior to exam • Use both body array coils
Common Indications	Crohn's disease, abdominal pain, evaluate small bowel, malabsorption
Position	Supine, head or feet first
Coil	Body Array (2 coils, if possible), Spine Array (posterior)
Landmark	Xyphoid

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate
Gadopiclenol (VUEWAY)	0.05 mmol/kg	2 mL/sec
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	HASTE LOCALIZER	Abdomen Pelvis CORONAL T2 HASTE	Abdomen Pelvis AXIAL T2 HASTE	Abdomen Pelvis AXIAL In-Out-of-Phase	Abdomen Pelvis AXIAL VIBE Pre	Abdomen Pelvis AXIAL VIBE CAIPI 25 sec 60 sec 180 sec	Abdomen Pelvis CORONAL T1 VIBE Post 180 sec	Abdomen Pelvis AXIAL DWI
Sequence Name	h	h	h	fl	fl	fl	fl	epse
Dimension	2D	2D	2D	2D	3D	3D	3D	—
Acceleration mode	GRAPPA	GRAPPA	GRAPPA	GRAPPA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	SMS
Acceleration Factor PE	2	2	2	2	2	2	2	2
Acceleration Factor 3D	—	—	—	—	2	2	2	—

SCAN PARAMETERS

Scan Description	HASTE LOCALIZER	Abdomen Pelvis CORONAL T2 HASTE	Abdomen Pelvis AXIAL T2 HASTE	Abdomen Pelvis AXIAL In-Out-of-Phase	Abdomen Pelvis AXIAL VIBE Pre	Abdomen Pelvis AXIAL VIBE CAIPI 25 sec 60 sec 180 sec	Abdomen Pelvis CORONAL T1 VIBE Post 180 sec	Abdomen Pelvis AXIAL DWI
TR	1100.0 ms	1300.0 ms	1200.0 ms	228.0 ms	4.2 ms	4.2 ms	4.6 ms	3000 ms
TE	84 ms	91 ms	91 ms	1: 1.23 ms 2: 2.46 ms	2.01 ms	2.01 ms	2.20 ms	60 ms
Flip Angle	150 deg	164 deg	159 deg	44 deg	9 deg	9 deg	10 deg	—
Turbo Factor	179	256	198	—	—	—	—	—
Bandwidth	698 Hz/Px	698 Hz/Px	698 Hz/Px	1060 Hz/Px	400 Hz/Px	400 Hz/Px	350 Hz/Px	2084 Hz/Px
Fat-Water Contrast	Standard	Standard	Standard	Standard	Fast Fat Saturation	Fast Fat Saturation	Fast Fat Saturation	SPAIR
Fat Saturation	—	—	—	—	—	—	—	Strong
Gradient Mode	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast
RF Pulse Type	Normal	Fast	Fast	Optimized	Fast	Fast	Fast	Low SAR
Asymmetric Echo	—	—	—	Allowed	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	HASTE LOCALIZER	Abdomen Pelvis CORONAL T2 HASTE	Abdomen Pelvis AXIAL T2 HASTE	Abdomen Pelvis AXIAL In-Out-of-Phase	Abdomen Pelvis AXIAL VIBE Pre	Abdomen Pelvis AXIAL VIBE CAIPI 25 sec 60 sec 180 sec	Abdomen Pelvis CORONAL T1 VIBE Post 180 sec	Abdomen Pelvis AXIAL DWI
Base Resolution	256	256	256	224	320	320	320	160
Phase Resolution	70%	100%	95%	90%	75%	75%	75%	100%
Slice Resolution	—	—	—	—	50%	50%	50%	—
Averages	1	1	1	1	1	1	1	4
Concatenations	1	2	3	1	1	1	1	1
b-value >=	—	—	—	—	—	—	—	50 s/mm2 800 s/mm2
FoV Read	400 mm	370 mm	380 mm	380 mm	380 mm	380 mm	450 mm	380 mm
FoV Phase	100%	100%	81%	80%	81%	81%	81%	80%
Phase Encoding Dir.	A >> P	R >> L	A >> P	A >> P	A >> P	A >> P	R >> L	A >> P
Slice Oversampling	—	—	—	—	33%	33%	33%	—
Phase Partial Fourier	5/8	5/8	5/8	7/8	Off	Off	Off	Off
Slice Partial Fourier	—	—	—	—	7/8	7/8	6/8	—
Flow Compensation	None	None	None	None	—	—	—	—

SCANNING RANGE

Scan Description	HASTE LOCALIZER	Abdomen Pelvis CORONAL T2 HASTE	Abdomen Pelvis AXIAL T2 HASTE	Abdomen Pelvis AXIAL In-Out-of-Phase	Abdomen Pelvis AXIAL VIBE Pre	Abdomen Pelvis AXIAL VIBE CAIPI 25 sec 60 sec 180 sec	Abdomen Pelvis CORONAL T1 VIBE Post 180 sec	Abdomen Pelvis AXIAL DWI
Elliptical Filter	On	Off	Off	Off	Off	Off	Off	Off
Normalize	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan
Distortion Correction	2D	2D	2D	2D	2D	2D	2D	2D
Slice Thickness	6.0 mm	6.0 mm	6.0 mm	6.0 mm	3.0 mm	3.0 mm	3.0 mm	7.0 mm
Distance Factor	150%	20%	20%	20%	20%	20%	20%	0%
Slices	9 Slices	30 Slices	35 Slices	45 Slices	72 Slices per Slab	72 Slices per Slab	72 Slices per Slab	36 Slices
Time of Acquisition	21 sec	49 sec	1:04 min	22 sec	15 sec	15 sec	17 sec	1:39 min

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