GENERIC ABDOMEN PELVIS 3.0T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	Supine
Common Indications	Abdomen pain, peritoneal path, infection, malignancies
Coil	32 channel Body coil, GEMS array, or Air coil, Torso or GEMS array
Landmark	Iliac Crest

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate	Dose Timing Method and Scan Delay
Gadopiclenol (VUEWAY)	0.05 mmol/kg up to a calculated volume of 10 mL	2 mL/sec	Smart Prep Bolus Tracker - Peak Arterial plus 12 sec
Saline Flush	50 mL	2 mL/sec	Immediately following gadolinium
Dynamic LAVA Notes	• Liver-Pancreas – SEQ 6: Pre. SEQ 7: Arterial Smart Prep - Tracker in aorta @ mid liver, 12 sec delay. SEQ 8: Portal Venous 70 sec after the injection • Pelvis – SEQ 9: Immediately after Portal Venous Phase • Liver-Pancreas – SEQ 10: 3-5 min post		

Comments	Quiet breathing	Expiration	Expiration Abdomen & Pelvis	Expiration Pre Pelvis	+C Expiration Pre, Art, Portal Liver-Pancreas	Expiration immediately post Pelvis	Expiration 3-5 min post Liver-Pancreas	Expiration	Resp Trig Abdomen	Resp Trig Pelvis	Optional: Resp Trig Liver & Pancreas

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	CORONAL SSFSE ARC	AXIAL In/Out Phase	AXIAL T1 3D LAVA Fat	AXIAL T1 3D DYN LAVA Fat Liver-Pancreas	AXIAL T1 3D LAVA Fat Pelvis	AXIAL T1 3D LAVA Fat Liver-Pancreas	CORONAL T1 LAVA-Flex Abdomen-Pelvis	AXIAL RT T2 2D FRFSE Abdomen	AXIAL RT T2 2D FRFSE Pelvis	AXIAL DWI ASSET
Mode	2D	2D	3D	3D	3D	3D	3D	3D	2D	2D	2D
Pulse Sequence	SSFSE	SSFSE	FAST GRE	LAVA	LAVA Type in: efgre3d_aspir if available	LAVA	LAVA Type in: efgre3d_aspir if available	LAVA-Flex	FRFSE-XL	FRFSE-XL	DWI EPI
Imaging Options	EDR, SEQ, FAST, SS, ARC	EDR, FAST, SS, ARC, TRF	EDR, FAST, ZIP, ARC	ZIP512, ZIP2, FAST, ARC	ARC, Art-Smartprep, EDR, ZIP2, FAST	ZIP512, ZIP2, FAST, ARC	ARC, EDR, ZIP2, FAST	EDR, FAST, ZIP2, ARC	Resp Trig, TRf, FAST	Resp Trig, TRf, FAST	Resp Trig, EPI, DIFF, ASSET

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MR Gadopiclenol (VUEWAY®) Protocol for GE HealthCare Systems
Body MR Imaging

NW IMAGING FORUMS, INC.

SCAN PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	CORONAL SSFSE ARC	AXIAL In/Out Phase	AXIAL T1 3D LAVA Fat	AXIAL T1 3D DYN LAVA Fat Liver-Pancreas	AXIAL T1 3D LAVA Fat Pelvis	AXIAL T1 3D LAVA Fat Liver-Pancreas	CORONAL T1 LAVA-Flex Abdomen-Pelvis	AXIAL RT T2 2D FRFSE Abdomen	AXIAL RT T2 2D FRFSE Pelvis	AXIAL DWI ASSET
TE	90	90	#TEs 2, TE 1 Min (1.1) TE 2 2.3	Def	Def	Def	Def	Def	90	90	Min
TR	Min	Min	Def (4)	Def	Def	Def	Def	Def	Def	Def	Def
TI	—	—	—	InvTI Auto	InvTI Auto	InvTI Auto	InvTI Auto	—	—	—	—
Flip Angle	—	—	15	12	15	12	15	12	—	—	—
ETL	—	—	—	—	—	—	—	—	19	19	—
Bandwidth	62	83	143	62	83	62	83	90	50	50	—
SAT	—	—	—	Chem Sat Special Fat	Sat Scr Special Fat Sat	Chem Sat Special Fat	Sat Scr Special Fat Sat	—	Chem Sat Fat Sat	Chem Sat Fat Sat	—

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	CORONAL SSFSE ARC	AXIAL In/Out Phase	AXIAL T1 3D LAVA Fat	AXIAL T1 3D DYN LAVA Fat Liver-Pancreas	AXIAL T1 3D LAVA Fat Pelvis	AXIAL T1 3D LAVA Fat Liver-Pancreas	CORONAL T1 LAVA-Flex Abdomen-Pelvis	AXIAL RT T2 2D FRFSE Abdomen	AXIAL RT T2 2D FRFSE Pelvis	AXIAL DWI ASSET
MATRIX freq	288	320	288	288	260	288	260	320	320	320	128
MATRIX phase	192	224	224	192	200	192	200	192	224	224	128
NEX	1	1	0.9	1	1	1	1	Def	2	2	—
Phase FOV	1	1	0.75	0.9	0.9	0.9	0.9	1	0.8	0.8	1
Freq Direction	Unswapped	S/I	drR/L	R/L	R/L	R/L	R/L	S/I	drR/L	drR/L	R/L
Accel	Ph 2	Ph 2, Sl 2	Ph 2, Sl 2	Ph 2, Slice 2	Ph 1.5, Sl 1.5 (can increase for poor breath holders)	Ph 2, Sl 2	Ph 1.5, Sl 1.5 (can increase for poor breath holders)	Ph 2, Sl 2	—	—	ASSET
User CV	1, 240, 1	Max echos 240	—	—	CV6 1 For Smartprep: CV2 40 CV4 (acq delay) 12	—	CV6 1	Turbo ARC 2	Blur canc 1 Fat Sat eff 1 Fn Ln sup 0	Fat Sat eff 1 Fn Ln sup 0	—
Other	—	—	—	—	—	—	—	—	Resp: 2RR Tr Pt 30% Tr Wd 30%	Resp: 2 RR Tr Pt 30% Tr wd 30%	Real time Field Adj On Enh Prep 1 DWI b val 0-50 at 4 nex b val 400-800 at 4 nex Diff dr 3 in 1 OptTE On Dual SE Off Resp: 2 RR Tr Pt 30% Tr Wd 30%

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MR Gadopiclenol (VUEWAY®) Protocol for GE HealthCare Systems
Body MR Imaging

IMAGING FORUMS, INC.

SCANNING RANGE

Scan Description	3PL LOCALIZER SSFSE ARC	CORONAL SSFSE ARC	AXIAL In/Out Phase	AXIAL T1 3D LAVA Fat	AXIAL T1 3D DYN LAVA Fat Liver-Pancreas	AXIAL T1 3D LAVA Fat Pelvis	AXIAL T1 3D LAVA Fat Liver-Pancreas	CORONAL T1 LAVA-Flex Abdomen-Pelvis	AXIAL RT T2 2D FRFSE Abdomen	AXIAL RT T2 2D FRFSE Pelvis	AXIAL DWI ASSET
FOV	48	44	36	38	38	38	38	36	36	36	40
Slice Thickness	8	5	3.6	3.6	3.6	3.6	3.6	3	5	5	5
Spacing	0	0	1	0	0	0	0	0	1	1	1
Number of Slices	15 Slices	—	19 Slices/acq	70 Slices	70 Locs PRN	70 Slices	70 Locs PRN	90 Slices	@ 60 Slices	@ 60 Slices	32 Slices
Approx. Scan Time	0:46	0:25/acq	0:23 per BH	0:23	0:17	0:23	0:17	0:22	5-6 min	5-6 min	@ 2:29

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