NW
IMAGING FORUMS, INC.

LIVER/PANCREAS EXTRACELLULAR (EC) AGENT 3.0T (Optional MRCP)

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	ONLY if MRCP is ordered and indicated, run MRCP sequences
Common Indications	Suspected focal lesions, pancreatic disease
Position	Supine
Coil	32 channel Torso array, GEMS Body array, or Air coil
Landmark	Xyphoid

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	• Pre Arterial: Smart Prep-Tracker in aorta @ mid liver - 12 sec delay • Pre Portal Venous (70 sec after injection) • Delayed phase (2-5 min after injection) • Optional: 90 min for cholangiocarcinoma		
Comments	Quiet breathing		

IMAGING PARAMETERS

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

SCAN PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	CORONAL ARC SSFSE	AXIAL RT T2 Fat Sat	AXIAL In/Out Phase	AXIAL T1 3D Fat Sat	CORONAL T1 LAVA-Flex	AXIAL DWI ASSET	AXIAL T1 3D Fat Sat
TE	90	90	90	#TEs 2 TE 1 Min (1.1) TE 2 2.3	Def	Def	Min	Def
TR	Min	Min	Def	Def (4)	Def	MF	Def	Def
TI	—	—	—	—	InvTI Auto	—	—	InvTI Auto
Flip Angle	—	—	—	15	15	12	—	15
ETL	—	—	16	—	—	—	—	—
Bandwidth	83	83	62	143	83	90	(Def)	62
SAT	—	—	Sat Scr Fat	—	Sat Scr Special Fat Sat	—	—	Sat Scr Special Fat Sat

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 GE HealthCare Systems
Body MR Imaging

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ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	CORONAL ARC SSFSE	AXIAL RT T2 Fat Sat	AXIAL In/Out Phase	AXIAL T1 3D Fat Sat	CORONAL T1 LAVA-Flex	AXIAL DWI ASSET	AXIAL T1 3D Fat Sat
MATRIX freq	288	320	320	288	260	—	192	288
MATRIX phase	192	224	224	192	200	192	192	192
NEX	1	1	2	1	1	Def	—	1
Phase FOV	1	1	0.8	0.9	0.9	1	1	0.9
Freq Direction	—	S/I	R/L	R/L	R/L	S/I	R/L	R/L
Accel	Ph 2	Ph 2	Ph 2	Ph 2, Sl 2	Ph 1.5, Sl 1.5 (can increase for poor breath holders)	Ph 2, Sl 2	Ph 2	Ph 2, Sl 2
User CV	1, 240, 1	—	Fat Sat eff 1 FnLn Sup 0	—	CV6 1 For Smartprep: CV2 40 CV4 (acq delay) 12	Turbo Arc 2	Rmp smp 1 Recon Type 1 Grad opt 1 Enh Prep 1	—
Other	—	Max echos 240	—	—	—	—	DWI b val 50 1 nex b val 800 4 nex Diff dr 3 in 1 OptTE On Dual SE Off Resp. 2 RR Tr Pt 30% Tr Wd 30% Del Min	—

SCANNING RANGE

Scan Description	3PL LOCALIZER SSFSE ARC	CORONAL ARC SSFSE	AXIAL RT T2 Fat Sat	AXIAL In/Out Phase	AXIAL T1 3D Fat Sat	CORONAL T1 LAVA-Flex	AXIAL DWI ASSET	AXIAL T1 3D Fat Sat
FOV	48	40	36	38	38	40	40	38
Slice Thickness	8	5	5	3.6	3.6	3	5	3.6
Spacing	0	0	1	0	0	—	1	0
Number of Slices	21 Slices	PRN	—	70 Locs PRN	70 Locs PRN	90 Slices	PRN	70 Locs PRN
Approx Scan Time	0:13	0:25/acq	3:30	0:23	0:17	0:22	@ 2:29	0:23

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