LIVER/PANCREAS EXTRACELLULAR (EC) AGENT 1.5T (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	Expiration	Resp Trig, Liver & Pancreas	Expiration Liver & Pancreas	Expiration Pre, Art, PV, 2-5 min Liver & Pancreas	Expiration Liver & Pancreas	Resp Trig Liver & Pancreas	Expiration postcontrast Optional: 90 min Liver & Pancreas

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	CORONAL T2 SSFSE ARC	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	2D	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, TRf, FAST	EDR, FAST	ARC, Art-Smartprep, ZIP512, ZIP2, EDR, FAST	EDR, FAST, ZIP2, ARC	Resp Trig, EPI, DIFF, ASSET	ZIP2, FAST, ARC

SCAN PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	CORONAL T2 SSFSE ARC	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 (2.2) TE 2 4.4	Def	Def	Min	Def
TR	Min	Min	Def	Def (4)	Def	Min Full	Def	Def
TI	—	—	—	—	InvTI Auto	—	—	InvTI Auto
Flip Angle	—	—	—	70	15	12	—	15
ETL	—	—	16	—	—	—	—	—
Bandwidth	83	83	62	31	62	90	(Def)	62
SAT	—	—	Sat Scr Fat Sat	—	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

NW IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	CORONAL T2 SSFSE ARC	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	256	256	—	192	256
MATRIX phase	192	224	224	192	192	192	192	192
NEX	1	1	2	1	1	Def	—	1
Phase FOV	1	1	0.8	0.75	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, Sl 2	Ph 2, Sl 2	Ph 2, Sl 2	Ph 2	Ph 2, Sl 2
User CV	1, 240, 1	—	Blur canc 1 Fat Sat eff 1 FnLn Sup 0	—	CV6 1 CV30 1 For Smartprep: Acq del 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 400-800 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 T2 SSFSE ARC	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	36	36	40	40	36
Slice Thickness	8	5	5	5	4	3	5	4
Spacing	0	0	1	1	0	—	1	0
Number of Slices	21 Slices	PRN	—	70 Locs PRN	60 Locs PRN	90 Slices	PRN	60 Locs PRN
Approx Scan Time	0:13	0:25/acq	5:00	0:23	0:18	0:22	@ 2:29	0:23

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.