NW
IMAGING FORUMS, INC.

MRCP (MAGNETIC RESONANCE CHOLANGIOPANCREATOGRAPHY) NONCONTRAST 3.0T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	3D MIPs: Coronal full slab spin/flip rotations, Coronal thin slab (2 cm/0.3 cm)
Common Indications	Calculi, follow up pancreatic cystic lesion
Position	Supine
Coil	32 channel Torso array, GEMS Body array, or Air coil
Landmark	Xyphoid
Comments	Quiet breathing | Expiration | Quiet breathingResp TrigMRCP | Quiet breathingResp TrigMRCP | Quiet breathingResp TrigMRCP | Optional | Optional

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	AXIAL or CORONAL SSFSE	CORONAL 3D MRCP	AXIAL T2 2D MRCP SSFSE	CORONAL T2 2D MRCP SSFSE	AXIAL In/Out Phase	AXIAL T1 3D Fat Sat
Mode	2D	2D	3D	2D	2D	3D	3D
Pulse Sequence	SSFSE	SSFSE	FRFSE-XL	SSFSE	SSFSE	FAST SPGR	LAVA
Imaging Options	SEQ, FAST, SS, ARC	EDR, FAST, SS, ARC	EDR, ZIP512, ZIP2, T2 Prep, ASSET, FR, MRCP	EDR, FAST, Resp Trig, SS	EDR, FAST, ASSET, Resp Trig, SS	FAST, ZIP2, ARC	ARC, ZIP512, ZIP2, FAST

SCAN PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	AXIAL or CORONAL SSFSE	CORONAL 3D MRCP	AXIAL T2 2D MRCP SSFSE	AXIAL T2 2D MRCP SSFSE	AXIAL In/Out Phase	AXIAL T1 3D Fat Sat
TE	90	90	600	240	240	#TEs 2 TE 1 Min (1.1) TE 2 2.3	Def
TR	Min	Min	Def	1 RR	1 RR	Def (4)	Def
TI	—	—	—	—	—	—	InvTI Auto
Flip Angle	—	—	—	—	—	15	15
ETL	—	—	100	—	—	—	—
Bandwidth	83	83	31	83	83	143	62
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.

Protocol for GE HealthCare Systems
Body MR Imaging

NW IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	AXIAL or CORONAL SSFSE	CORONAL 3D MRCP	AXIAL T2 2D MRCP SSFSE	AXIAL T2 2D MRCP SSFSE	AXIAL In/Out Phase	AXIAL T1 3D Fat Sat
MATRIX freq	288	320	288	320	320	288	288
MATRIX phase	192	224	288	224	224	192	192
NEX	1	1	1	1	1	1	1
Phase FOV	1	1	1	1	1	0.9	0.9
Freq Direction	—	S/I	S/I	R/L	S/I	R/L	R/L
Accel	Ph 2	Ph 2	Ph 2	—	Ph 1	Ph 2, Sl 2	Ph 2, Sl 2
User CV	1, 240, 1	—	Resp. 2 RR Tr Pt 30% Tr Wd 30% Del Min	Max echos 240	Max echos 240	—	For Smartprep: Mon TI 40 sec Acq del 12 sec
Other	—	Max echos 240	—	Resp. 1 RR Tr Pt 30% Tr Wd 30% Del Min	Resp. 1 RR Tr Pt 30% Tr Wd 30% Del Min	—	—

SCANNING RANGE

Scan Description	3PL LOCALIZER SSFSE ARC	AXIAL or CORONAL SSFSE	CORONAL 3D MRCP	AXIAL T2 2D MRCP SSFSE	AXIAL T2 2D MRCP SSFSE	AXIAL In/Out Phase	AXIAL T1 3D Fat Sat
FOV	48	40	38	30	30	38	—
Slice Thickness	8	5	1.8	4	4	3.6	3.6
Spacing	0	0	0	0	0	0	0
Number of Slices	21 Slices	PRN	60 Locs	PRN	PRN	70 Locs PRN	70 Locs PRN
Approx. Scan Time	0:13	0:25/acq	3:00 ±	3:00 ±	3:00 ±	0:23	0:23

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