MRCP (MAGNETIC RESONANCE CHOLANGIOPANCREATOGRAPHY) NONCONTRAST 1.5T

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 | ExpirationLiver & Pancreas | ExpirationPre, Art, PV,2-5 minLiver & Pancreas

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	AXIAL or CORONAL T2 SSFSE	CORONAL 3D MRCP	AXIAL 2D MRCP T2 SSFSE	CORONAL 2D MRCP T2 SSFSE	AXIAL In/Out Phase	AXIAL T1 3D Fat Sat
Mode	2D	2D	3D	2D	2D	2D	3D
Pulse Sequence	SSFSE	SSFSE	FRFSE-XL	SSFSE	SSFSE	FAST SPGR	LAVA Type in: efgre3d_aspir if available
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	EDR, FAST	ARC, ZIP512, ZIP2, EDR, FAST

SCAN PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	AXIAL or CORONAL T2 SSFSE	CORONAL 3D MRCP	AXIAL 2D MRCP T2 SSFSE	CORONAL 2D MRCP T2 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	Def
TI	—	—	—	—	—	—	InvTI Auto
Flip Angle	—	—	—	—	—	70	15
ETL	—	—	100	—	—	—	—
Bandwidth	62	62	31	83	83	31	62
SAT	—	—	Sat Scr Special Fat Sat	—	—	—	Sat Scr Special Fat Sat

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Supported by an educational grant from Bracco Diagnostics Inc.

MR Protocol for GE HealthCare Systems
Body MR Imaging

IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	AXIAL or CORONAL T2 SSFSE	CORONAL 3D MRCP	AXIAL 2D MRCP T2 SSFSE	CORONAL 2D MRCP T2 SSFSE	AXIAL In/Out Phase	AXIAL T1 3D Fat Sat
MATRIX freq	288	320	256	320	320	256	256
MATRIX phase	192	224	256	224	224	224	192
NEX	1	1	1	1	1	1	1
Phase FOV	1	1	1	1	1	0.75	0.9
Freq Direction	—	S/I	S/I	R/L	S/I	R/L	R/L
Accel	Ph 2	Ph 2	—	—	Ph 1	—	Ph 2, Sl 2
User CV	1, 240, 1	Max echos 240	Ph 2	Max echos 240	Max echos 240	—	CV6 1 CV30 1
Other	—	—	Resp. 2 RR Tr Pt 30% Tr Wd 30% Del Min	Resp. 1 RR Tr Pt 30% Tr Wd 30% Del Min	ASSET 1 Resp. 1 RR Tr Pt 30% Tr Wd 30% Del Min	—	—

SCANNING RANGE

Scan Description	3PL LOCALIZER SSFSE ARC	AXIAL or CORONAL T2 SSFSE	CORONAL 3D MRCP	AXIAL 2D MRCP T2 SSFSE	CORONAL 2D MRCP T2 SSFSE	AXIAL In/Out Phase	AXIAL T1 3D Fat Sat
FOV	44	40	38	30	30	36	36
Slice Thickness	8	5	1.8	4	4	5	4
Spacing	0	0	0	0	0	1	0
Number of Slices	21 Slices	—	60 Locs	PRN	PRN	PRN	60 Locs PRN
Approx. Scan Time	0:19	0:25/acq	3:00 ±	3:00 ±	3:00 ±	0:23	0:18

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