NW
Imaging Forums, Inc.

DIFFUSE LIVER DISEASE (MRE, Fat, Iron) 1.5T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• No special instructions for patient • Cover entire liver and pancreas
Common Indications	Diffuse liver disease, detection and quantification of hepatic stiffness, fat, iron
Position	Supine
Coil	32 channel Torso array, GEMS Body array, or Air coil
Landmark	Xyphoid
Comments	Expiration | Expiration | Proton Density Fat-fraction (PDFF) and R2* quantification (must be precontrast) | OptionalElastography Expiration

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER T2 SSFSE ARC	AXIAL or CORONAL T2 SSFSE	AXIAL IDEAL - IQ	Optional: AXIAL MRE MR TOUCH
Mode	2D	2D	3D	2D
Pulse Sequence	SSFSE	SSFSE	IDEAL-IQ	MR Touch
Imaging Options	SEQ, FAST, SS, ARC	EDR, FAST, SS, ARC	FAST, EDR, IDEAL, ARC	FC, EPI, ASSET

SCAN PARAMETERS

Scan Description	3PL LOCALIZER T2 SSFSE ARC	AXIAL or CORONAL T2 SSFSE	AXIAL IDEAL - IQ	Optional: AXIAL MRE MR TOUCH
TE	90	90	# Def (6) Shots TE Min	#TEs 1 Def
TR	Min	Min	Def	50
Flip Angle	—	—	5	30
ETL	—	—	6	—
Bandwidth	62	62	100	31

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER T2 SSFSE ARC	AXIAL or CORONAL T2 SSFSE	AXIAL IDEAL - IQ	Optional: AXIAL MRE MR TOUCH
MATRIX freq	288	320	224	80
MATRIX phase	192	224	160	80
NEX	1	1	—	1
Phase FOV	1	1	0.8	1
Freq Direction	—	S/I	R/L	R/L
Accel	Ph 2	Ph 2	Ph 2, Sl 2	Ph 2
User CV	1, 240, 1	Max echos 240	—	—
Other	—	—	—	Temp Ph 4 Meg Freq 80 Driver Freq 50-80 Meg Dir Z Dr Cyc3 Menc Def (32)

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 Protocol for GE HealthCare Systems
Body MR Imaging

IMAGING FORUMS, INC.

SCANNING RANGE

Scan Description	3PL LOCALIZER T2 SSFSE ARC	AXIAL or CORONAL T2 SSFSE	AXIAL IDEAL - IQ	Optional: AXIAL MRE MR TOUCH
FOV	48	40	40	40 x 40
Slice Thickness	8	5	8	10
Spacing	0	0	0	0
Number of Slices	21 Slices	—	32 Locs	4 Slices
Approx. Scan Time	0:19	0:25/acq	0:20	1:20

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