NW
Imaging Forums, Inc.

NONCONTRAST-ENHANCED MRA ABDOMEN 1.5T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	Supine with respiratory bellows
Common Indications	Abdominal aorta aneurysm, stenosis, vasculitis if contraindications for contrast
Position	8 Cardiac, 32 channel Body, GEMS Array
Coil	Xyphoid
Landmark	Quiet breathing

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER SSFSE	AXIAL SSFP	CORONAL SSFSE ARC	AXIAL RT T2 Fat Sat	AXIAL Inhance INFLOW IR (IFIR)	AXIAL Inhance 3D FLOW
Mode	2D	2D	2D	2D	3D	3D
Pulse Sequence	SSFSE	Non-Gated FIESTA	SSFSE	FRFSE-XL	Inhance-IFIR	INH-VEL (e3DPCA)
Imaging Options	EDR, SEQ, ARC, FAST, SS	SEQ, FAST, ASSET	EDR, SS, ARC, FAST, ZIP512	TRf, FAST, RespTrig	FAST, IrP, RT, ZIP512, ZIP2, ASSET	FC, RT, ZIP512, ZIP2, ASSET

SCAN PARAMETERS

Scan Description	3PL LOCALIZER SSFSE	AXIAL SSFP	CORONAL SSFSE ARC	AXIAL RT T2 Fat Sat	AXIAL Inhance INFLOW IR (IFIR)	AXIAL Inhance 3D FLOW
TE	90	Min	90	90	Def	Min
TR	Min	Def	Min	Def	Prep Auto	Min
TI	—	—	—	—	BSP T1 1300	—
Flip Angle	—	60	—	—	70	12
ETL	—	—	—	16	—	—
Bandwidth	83	125	62	50	125	31
SAT	—	—	—	Sat Scr Fat Sat	Sat Scr Special Fat	—

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER SSFSE	AXIAL SSFP	CORONAL SSFSE ARC	AXIAL RT T2 Fat Sat	AXIAL Inhance INFLOW IR (IFIR)	AXIAL Inhance 3D FLOW
MATRIX freq	288	256	320	320	256	256
MATRIX phase	160	192	224	224	256	192
NEX	Def	1	1	2	Def	1
Phase FOV	1	1	1	0.8	0.8	0.8
Freq Direction	—	R/L	S/I	R/L	R/L	R/L
Accel	Ph 2	—	Ph 2	—	—	Ph 2
Adv CV	0, 240, 0, 2	0	Max # echoes 240 Max Ace 2	Fat Eff 1 EnFnL Sup 0	—	SI Res 100%

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
MR Angiography

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SCANNING RANGE

Scan Description	3PL LOCALIZER SSFSE	AXIAL SSFP	CORONAL SSFSE ARC	AXIAL RT T2 Fat Sat	AXIAL Inhance INFLOW IR (IFIR)	AXIAL Inhance 3D FLOW
FOV	48	36	40	35	38	38
Slice Thickness	10	6	5	5	2	2
Spacing	0	0	0	1	0	0
Number of Slices	21 Slices	40 Slices	@ 30 Slices	40-50 Slices	60 Locs	56 Locs
Approx. Scan Time	0:46	± 16 sec per BH	± 16 sec per BH	± 5:00	± 5:10	± 6:30

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