PULMONARY ARTERY 3.0T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Respiratory bellows • Optional: Reformat all Sagittal MRA into Axial and Coronal • For poor breath holders, increase slice thickness and decrease number of slices
Common Indication	R/O pulmonary embolism (PE)
Position	Supine
Coil	32 channel Torso, GEMS Body Array, or Air Coil
Landmark	Nipple Line

CONTRAST AGENT PARAMETERS

Contrast Agents	Dose	Injection Rate	Dose Timing Method and Scan Delay	
Gadopiclenol (VUEWAY)	0.05 mmol/kg up to a calculated volume of 10 mL OK to cap at 10 mL max volume for patients larger than 100 kg	Dilute to 30 mL @ 1.5 mL/sec	Fluoro trigger to peak arterial opacification of thoracic aorta	
Saline Flush	50 mL	1.5 mL/sec	Immediately following gadolinium	
Comments	Breathing	Pre Arterial = fluoro trigger Post 1 Expiration	Post 2 LOW Flip Expiration	Expiration

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	SAGITTAL 3D MRA	SAGITTAL 3D MRA LOW Flip	Post AXIAL T1 FAT
Mode	2D	3D	3D	2D
Pulse Sequence	SSFSE	ceMRA-XV	ceMRA-XV	FSPGR
Imaging Options	EDR, SEQ, ARC, FAST, SS	FAST, EDR, ARC, ZIP2, ZIP512, FluoroTrig	FAST, EDR, ARC, ZIP2, ZIP512	FAST, EDR, ZIP512

SCAN PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	SAGITTAL 3D MRA	SAGITTAL 3D MRA LOW Flip	Post AXIAL T1 FAT
TE	90	Min	Min	In Phase
TR	Min	Def	Def	110
Flip Angle	—	28	15	90
Bandwidth	83	83	62	41
SAT	—	—	—	Fat Sat

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	SAGITTAL 3D MRA	SAGITTAL 3D MRA LOW Flip	Post AXIAL T1 FAT
MATRIX freq	288	320	320	320
MATRIX phase	160	192	224	192
NEX	Def	1	1	1
Phase FOV	1	0.8	0.8	0.8
Freq Direction	Def	S/I	S/I	R/L
Accel	Ph 2	Ph 2, Sl 2	Ph 2, Sl 2	PURE
Adv CV	0, 240, 0	Turbo 2 Elip Cent 1 Slice Res 78%	Turbo 2 Elip Cent Slice Res 78%	—

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.

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MR Gadopiclenol (VUEWAY®) Protocol for GE HealthCare Systems
MR Angiography

IMAGING FORUMS, INC.

SCANNING RANGE

Scan Description	3PL LOCALIZER SSFSE ARC	SAGITTAL 3D MRA	SAGITTAL 3D MRA LOW Flip	Post AXIAL T1 FAT
FOV	40	36-40	36-40	36
Slice Thickness	8	2	2	4
Spacing	0	0	0	0
Number of Slices	5-8 each Plane	70 Slices PRN	70 Slices PRN	44 Slices
Approx Scan Time	0:46-0:54	± 20 sec per BH	± 20 sec per BH	18 sec per BH

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