PULMONARY ARTERY 1.5T

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	8-32 channel Body Array, 8 channel Cardiac, GEMS Array
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	Expiration	Pre during 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	ceMRA	FSPGR
Imaging Options	EDR, SEQ, 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

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Supported by an educational grant from Bracco Diagnostics Inc.

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

IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER SSFSE ARC	SAGITTAL 3D MRA	SAGITTAL 3D MRA LOW FLIP	Post AXIAL T1 FAT
MATRIX freq	288	256	256	320
MATRIX phase	160	192	192	192
NEX	Def	1	1	1
Phase FOV	1	0.8	0.8	0.8
Freq Direction	Def	S/I	S/I	R/L
Image Enhance	—	—	—	PURE
Accel	Ph 2	Ph 2, Sl 2	Ph 2, Sl 2	—
Adv CV	0, 240, 0	Turbo 2 Elip Cent 1 Slice Res 78%	Turbo 2 Elip Cent 1 Slice Res 78%	Fat Sat Eff 1

SCANNING RANGE

Scan Description	3PL LOCALIZER SSFSE ARC	SAGITTAL 3D MRA	SAGITTAL 3D MRA LOW FLIP	Post AXIAL T1 FAT
FOV	40	36	36	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	0:18 per BH

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