RUNOFF ABDOMEN TO LOWER EXTREMITY MRA 3.0T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	Coil coverage from toes to diaphragm
Common Indication	Peripheral arterial disease (PAD)
Position	Toes should be inside bottom edge of coil
Coil	GEMS Peripheral Vascular (PV) coil with Body Array or Air Coil
Landmark	Landmark where you center the Body Array Coil

CONTRAST AGENT PARAMETERS

Contrast Agents	Dose	Injection Rate	Dose Timing Method and Scan Delay
Gadopiclenol (VUEWAY)	0.075 mmol/kg up to a calculated volume of 10 mL OK to cap at 20 mL max volume Dilute to 30 mL	See specific instructions below for Calf and Thigh Stations	For Abdomen Station: Fluoro trigger to peak arterial opacification at level of bifurcation 2 mL/sec
Saline Flush	60 mL	See below	2 mL/sec immediately following gadolinium
Dynamic Notes	TRICKS timing: 1. Start scan 2. Mask runs as clock counts down 3. Inject at 0:00 4. Clock will reset 5. Scan will continue to acquire multiple phases	Calf TRICKS contrast: 1.5 mL/sec = 8-10 mL Thigh TRICKS contrast: 1.5 mL/sec = 10-12 mL Flush: 1.5 mL/sec = 20 mL	Foot-mid Calf: I200-S82, 30 x 22 Calf-low Thigh: S76-S380, 30 x 22 Thigh: S372-S654, 36 x 36 Pelvis-Abdomen: S642-S948, 36 x 36 Abdomen-Diaphragm: S918-> PRN

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER SSFSE x3 Abdomen - Pelvis, Thighs, Lower Legs	MRA ILIACS-Bifurc	AXIAL SSFP Non-Gated	CORONAL 3D +C TRICKS Lower Leg	CORONAL 3D +C TRICKS Thighs	CORONAL MRA ARC DUR Fluoro Trigger	CORONAL MRA ARC LOW FLIP
Mode	2D	2D	2D	3D	3D	3D	3D
Pulse Sequence	SSFSE	Vasc TOF Loc	FIESTA	TRICKS	TRICKS	ceMRA-XV	ceMRA-XV
Imaging Options	SEQ, FAST, SS, ARC	FC, SS, FAST	SEQ, EDR, FAST, ASSET	FAST, ZIP2, ZIP512, ARC	FAST, ZIP2, ZIP512, ARC	EDR, FAST, ZIP512, ZIP2, ARC	EDR, FAST, ZIP512, ZIP2, ARC

SCAN PARAMETERS

Scan Description	3PL LOCALIZER SSFSE x3 Abdomen - Pelvis, Thighs, Lower Legs	MRA ILIACS-Bifurc	AXIAL SSFP Non-Gated	CORONAL 3D +C TRICKS Lower Leg	CORONAL 3D +C TRICKS Thighs	CORONAL MRA ARC DUR Fluoro Trigger	CORONAL MRA ARC LOW FLIP
TE	80	Min	#TEs 1 TE Min	Min	Min	#TEs 1 TE Min	#TEs 1 TE Min
TR	Min	Min	Def (3.8)	Def (2.7)	Def (2.9)	Def (3.5)	Def (4)
Flip Angle	—	60	60	30	30	28	15
Bandwidth	83	83	125	90	90	83	62

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

IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER SSFSE x3 Abdomen - Pelvis, Thighs, Lower Legs	MRA ILIACS-Bifurc	AXIAL SSFP Non-Gated	CORONAL 3D +C TRICKS Lower Leg	CORONAL 3D +C TRICKS Thighs	CORONAL MRA ARC DUR Fluoro Trigger	CORONAL MRA ARC LOW FLIP
MATRIX freq	384	256	256	256	256	288	288
MATRIX phase	160	128	224	224	224	192	256
NEX	Def	1	1	1	1	1	1
Phase FOV	1	—	1	0.75	0.8	1	1
Freq Direction	Unswapped	R/L	R/L	—	—	S/I	S/I
Accel	Ph 2	—	Ph 2	Ph 2, Sl 2	Ph 2, Sl 2	Ph 2, Sl 2	Ph 2, Sl 2
Adv CV	0, 240, 0	Sat Gap 10	—	Turbo 2	Turbo 2	Turbo 2 Min ARC OS 36 Min ARC Sl OS 24 Elip Cent 1 Turbo 2 ARC 2 Slice Res 78%	Turbo 2 Elip Cent 1 Turbo 2 ARC 2 Slice Res 78%
Other	—	—	—	TRICKS tab: Temp Phs 13 Pause Off Subtracted Delay Min Temp Res 7.8	TRICKS tab: Temp Phs 9 Pause Off BOTH Delay Min Temp Res 8.9	—	—

SCANNING RANGE

Scan Description	3PL LOCALIZER SSFSE x3 Abdomen - Pelvis, Thighs, Lower Legs	MRA ILIACS-Bifurc	AXIAL SSFP Non-Gated	CORONAL 3D +C TRICKS Lower Leg	CORONAL 3D +C TRICKS Thighs	CORONAL MRA ARC DUR Fluoro Trigger	CORONAL MRA ARC LOW FLIP
FOV	48	40	36	48	44	38	38
Slice Thickness	8	5	6	2	2	2	2
Spacing	0	0	1	0	0	0	0
Number of Slices	21 Slices	PRN	40 Slices	64 Slices	64 Slices	70 Slices PRN	70 Slices PRN
Approx Scan Time	± 1 min each	1:30	± 23 sec per BH	2:05 (0:32)	1:47 (0:32)	0:23	0:22

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