RUNOFF ABDOMEN TO LOWER EXTREMITY MRA 1.5T

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 Anterior Array and Posterior Array
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 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 Legs	CORONAL 3D+C TRICKS Thighs	CORONAL MRA ARC DUR Fluoro Trigger	CORONAL MRA ARC LOW FLIP	AXIAL T1 FSPGR Fat Sat x5 Toes-Abdomen
Mode	2D	2D	2D	3D	3D	3D	3D	2D
Pulse Sequence	SSFSE	Vasc TOF Loc	FIESTA	TRICKS	TRICKS	Fvasc TOF SPGR	Fvasc TOF SPGR	FAST SPGR
Imaging Options	SEQ, FAST, SS, ARC	FC, SS, FAST	—	FAST, ZIP2, ZIP512	FAST, ZIP2, ZIP512	EDR, FAST, ZIP512, ZIP2, ARC	EDR, FAST, ZIP512, ZIP2, ARC	FAST, ZIP512

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 Legs	CORONAL 3D+C TRICKS Thighs	CORONAL MRA ARC DUR Fluoro Trigger	CORONAL MRA ARC LOW FLIP	AXIAL T1 FSPGR Fat Sat x5 Toes-Abdomen
TE	80	Min	Min	Min	Min	#TE 1 TE Min	#TE 1 TE Min	Min
TR	Min	Min	Def (3.8)	Def (2.7)	Def (2.9)	Def (3.5)	Def (4)	110
Flip Angle	—	60	60	30	30	28	15	90
Bandwidth	83	83	125	62	62	62	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 x3 Abdomen-Pelvis, Thighs, Lower Legs	MRA ILIACS-Bifurc	AXIAL SSFP Non-Gated	CORONAL 3D+C TRICKS Lower Legs	CORONAL 3D+C TRICKS Thighs	CORONAL MRA ARC DUR Fluoro Trigger	CORONAL MRA ARC LOW FLIP	AXIAL T1 FSPGR Fat Sat x5 Toes-Abdomen
MATRIX freq	384	256	256	256	256	384	384	320
MATRIX phase	160	128	224	224	224	192	192	224
NEX	Def	1	1	1	1	1	1	1
Phase FOV	1	—	1	0.75	0.8	1	1	0.75 or 1
Freq Direction	Unswapped	R/L	R/L	—	—	S/I	S/I	R/L
Accel	Ph 2	—	—	—	—	Ph 3, Sl 2	Ph 3, 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 Slice Res 78%	Turbo 2 Elip Cent 1 Turbo 2 ARC Slice Res 78%	—
Other	—	—	—	TRICKS tab: TempPhs 13 Pause Off Subtracted Delay Min Temp Res 7.8	TRICKS tab: TempPhs 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 Legs	CORONAL 3D+C TRICKS Thighs	CORONAL MRA ARC DUR Fluoro Trigger	CORONAL MRA ARC LOW FLIP	AXIAL T1 FSPGR Fat Sat x5 Toes-Abdomen
FOV	48	40	36	48	44	44	44	38
Slice Thickness	8	5	6	2	2	2	2	4
Spacing	0	0	1	0	0	0	0	0
Number of Slices	21 Slices	—	—	64 Slices	64 Slices	70 Slices PRN	70 Slices PRN	PRN x 5
Approx. Scan Time	± 1 min each	1:30	± 23 sec per BH	2:05 (0:32)	1:47 (0:32)	0:23	0:22	± 2-3 min each

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