GENERIC ABDOMEN PELVIS 1.5T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Injector timing for abdomen first, then finish pelvis sequences • Perform relevant abdomen breath hold (BH) followed by pelvis in 2 stations
Common Indications	Abdominal/pelvic pain, infection, malignancy
Position	Supine, head or feet first
Coil	Body Array (2 coils, if possible), Spine Array (posterior)
Landmark	Xyphoid

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate	Dose Timing Method and Scan Delay
Gadopiclenol (VUEWAY)	0.05 mmol/kg	2 mL/sec	Use CareBolus (CB) to track contrast to diaphragm; stop CB; perform BH command (~6 sec); start Arterial phase acquisition
Saline Flush	20 mL	2 mL/sec	—
Comments	• Report agent administered and dose • Use minimal dose for patients with a GFR <30 mL/sec		

IMAGING PARAMETERS

Scan Description	HASTE LOCALIZER	CORONAL T2 HASTE	AXIAL T2 HASTE	AXIAL 3D IN OUT CAIPI	AXIAL DWI Monopolar	AXIAL T2 FS	SAGITTAL T2 Pelvis	SAGITTAL VIBE Pre CAIPI Pelvis	CORONAL VIBE Pre CAIPI	AXIAL VIBE Pre CAIPI	Care Bolus	AXIAL VIBE Post CAIPI 25 sec 60 sec 180 sec	CORONAL VIBE Post CAIPI 60 sec 180 sec	SAGITTAL VIBE Post CAIPI 180 sec
Sequence Name	h	h	h	fl	epse	tse	tse	fl	fl	fl	fl	fl	fl	fl
Dimension	2D	2D	2D	3D	—	2D	2D	3D	3D	3D	2D	3D	3D	3D
Acceleration Mode	GRAPPA	GRAPPA	GRAPPA	CAIPIRINHA	GRAPPA	GRAPPA	GRAPPA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	None	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA
Acceleration Factor PE	2	2	2	2	2	2	2	2	2	2	—	2	2	2

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Supported by an educational grant from Bracco Diagnostics Inc.

MR Gadopiclenol (VUEWAY®) Protocol for Siemens MRI Scanners
Body MR Imaging

IMAGING FORUMS, INC.

SCAN PARAMETERS

Scan Description	HASTE LOCALIZER	CORONAL T2 HASTE	AXIAL T2 HASTE	AXIAL 3D IN OUT CAIPI	AXIAL DWI Monopolar	AXIAL T2 FS	SAGITTAL T2 Pelvis	SAGITTAL VIBE Pre CAIPI Pelvis	CORONAL VIBE Pre CAIPI	AXIAL VIBE Pre CAIPI	Care Bolus	AXIAL VIBE Post CAIPI 25 sec 60 sec 180 sec	CORONAL VIBE Post CAIPI 60 sec 180 sec	SAGITTAL VIBE Post CAIPI 180 sec
TR	1100.0 ms	900.0 ms	1300.0 ms	6.8 ms	5800.0 ms	2840.0 ms	8220.0 ms	4.9 ms	4.5 ms	3.5 ms	60.51 ms	3.5 ms	4.5 ms	4.9 ms
TE	85 ms	91 ms	95 ms	1: 2.39 ms 2: 4.77 ms	78 ms	86 ms	102 ms	2.46 ms	2.20 ms	1.78 ms	1.45 ms	1.78 ms	2.20 ms	2.46 ms
Flip Angle	150 deg	128 deg	180 deg	10 deg	—	160 deg	160 deg	10 deg	10 deg	10 deg	30 deg	10 deg	10 deg	10 deg
Turbo Factor	179	256	198	—	—	29	23	—	—	—	—	—	—	—
Bandwidth	698 Hz/Px	698 Hz/Px	698 Hz/Px	510 Hz/Px	1370 Hz/Px	260 Hz/Px	199 Hz/Px	400 Hz/Px	400 Hz/Px	640 Hz/Px	400 Hz/Px	640 Hz/Px	400 Hz/Px	400 Hz/Px
Fat-Water Contrast	Standard	Standard	Standard	Dixon	SPAIR	SPAIR	Standard	Fast Fat Saturation	Fast Fat Saturation	Fast Fat Saturation	Standard	Fast Fat Saturation	Fast Fat Saturation	Fast Fat Saturation
Fat Saturation	—	—	—	—	Strong	Strong	—	—	—	—	—	—	—	—
Gradient Mode	Fast	Fast	Fast	Fast	Fast	Fast	Normal	Fast	Fast	Fast	Fast	Fast	Fast	Fast
RF Pulse Type	Normal	Fast	Fast	Fast	Normal	Fast	Low SAR	Fast	Fast	Fast	Low SAR	Fast	Fast	Fast
Asymmetric Echo	—	—	—	Strong	—	—	—	Off	Off	Off	Allowed	Off	Off	Off

ACQUISITION PARAMETERS

Scan Description	HASTE LOCALIZER	CORONAL T2 HASTE	AXIAL T2 HASTE	AXIAL 3D IN OUT CAIPI	AXIAL DWI Monopolar	AXIAL T2 FS	SAGITTAL T2 Pelvis	SAGITTAL VIBE Pre CAIPI Pelvis	CORONAL VIBE Pre CAIPI	AXIAL VIBE Pre CAIPI	Care Bolus	AXIAL VIBE Post CAIPI 25 sec 60 sec 180 sec	CORONAL VIBE Post CAIPI 60 sec 180 sec	SAGITTAL VIBE Post CAIPI 180 sec
Base Resolution	256	256	256	288	192	320	256	288	320	288	192	288	320	288
Phase Resolution	70%	100%	95%	80%	80%	70%	83%	75%	75%	75%	74%	75%	75%	75%
Slice Resolution	—	—	—	61%	—	—	—	60%	50%	59%	—	59%	50%	60%
Averages	1	1	1	1	1, 2	1	2	1	1	1	—	1	1	1
Concatenations	1	2	2	1	1	4	1	1	1	1	—	1	1	1
b-value	—	—	—	—	0 s/mm2 50 s/mm2 800 s/mm2	—	—	—	—	—	—	—	—	—
FoV Read	400 mm	380 mm	380 mm	380 mm	380 mm	400 mm	250 mm	260 mm	400 mm	380 mm	350 mm	380 mm	400 mm	260 mm
FoV Phase	100%	100%	81%	81%	78%	81%	100%	81%	100%	92%	100%	92%	100%	81%
Phase Encoding Dir.	A >> P	R >> L	A >> P	A >> P	A >> P	A >> P	A >> P	A >> P	R >> L	A >> P	A >> P	A >> P	R >> L	A >> P
Phase Oversampling	30%	50%	0%	0%	0%	0%	43%	20%	50%	0%	0%	0%	50%	20%
Slice Oversampling	—	—	—	22%	—	—	—	33%	33%	22%	—	22%	33%	33%
Phase Partial Fourier	5/8	5/8	5/8	6/8	7/8	Off	Off	6/8	6/8	6/8	7/8	6/8	6/8	6/8
Slice Partial Fourier	—	—	—	6/8	—	—	—	6/8	6/8	6/8	—	6/8	6/8	6/8
Flow Compensation	None	None	None	—	—	None	None	—	—	—	—	—	—	—

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Body MR Imaging

IMAGING FORUMS, INC.

SCANNING RANGE

Scan Description	HASTE LOCALIZER	CORONAL T2 HASTE	AXIAL T2 HASTE	AXIAL 3D IN OUT CAIPI	AXIAL DWI Monopolar	AXIAL T2 FS	SAGITTAL T2 Pelvis	SAGITTAL VIBE Pre CAIPI Pelvis	CORONAL VIBE Pre CAIPI	AXIAL VIBE Pre CAIPI	Care Bolus	AXIAL VIBE Post CAIPI 25 sec 60 sec 180 sec	CORONAL VIBE Post CAIPI 60 sec 180 sec	SAGITTAL VIBE Post CAIPI 180 sec
Elliptical Filter	On	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
Normalize	Prescan	Prescan	Prescan	Prescan	Off	Prescan	Prescan	Prescan	Prescan	Prescan	Off	Prescan	Prescan	Prescan
Raw Filter	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
Distortion Correction	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D	2D
Slice Thickness	6.0 mm	6.0 mm	6.0 mm	4.0 mm	6.0 mm	6.0 mm	4.0 mm	3.0 mm	4.0 mm	4.0 mm	20.0 mm	4.0 mm	4.0 mm	3.0 mm
Distance Factor	150%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Slices	Slices 9	Slices 37	Slices 30	Slices per Slab 72	Slices 30	Slices 40	Slices 30	Slices per Slab 72	Slices per Slab 72	Slices per Slab 72	Slices 1	Slices per Slab 72	Slices per Slab 72	Slices per Slab 72
Time of Acquisition	21 sec	40 sec	41 sec	12 sec	1:11 min	1:18 min	2:05 min	12 sec	16 sec	8 sec	1:01 min	8 sec each	16 sec each	12 sec

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