NW
IMAGING FORUMS, INC.

UTERINE ANOMALY 1.5T / ROUTINE FEMALE PELVIS BENIGN 1.5

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	Have patient empty bladder before scanning
Common Indications	Bleeding, fibroids, myoma, endometriosis
Position	Head or feet first
Coil	Body Array (anterior); Spine Array (posterior)
Landmark	Center of coil; below belly button; adjust after LOC using ISO mode imaging

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate	Dose Timing Method and Scan Delay
Gadopiclenol (VUEWAY)	0.05 mmol/kg	2 mL/sec	Refer to postcontrast timing delay below
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	3 PLANE HASTE SCOUT	CORONAL T2 HASTE	SAGITTAL T2	AXIAL T2	CORONAL T2	AXIAL T2 Fat Sat	AXIAL DWI	AXIAL 3D IN OUT CAIPI	SAGITTAL VIBE Pre	AXIAL VIBE Pre	AXIAL VIBE Post 30 sec 60 sec 180 sec	SAGITTAL VIBE Post 90 sec
Sequence Name	h	h	tse	tse	tse	tse	epse	fl	fl	fl	fl	fl
Dimension	2D	2D	2D	2D	2D	2D	—	3D	3D	3D	3D	3D
Acceleration Mode	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA
Acceleration Factor PE	2	2	2	2	2	2	2	2	2	2	2	2
Acceleration Factor 3D	—	—	—	—	—	—	—	2	2	2	2	2

SCAN PARAMETERS

Scan Description	3 PLANE HASTE SCOUT	CORONAL T2 HASTE	SAGITTAL T2	AXIAL T2	CORONAL T2	AXIAL T2 Fat Sat	AXIAL DWI	AXIAL 3D IN OUT CAIPI	SAGITTAL VIBE Pre	AXIAL VIBE Pre	AXIAL VIBE Post 30 sec 60 sec 180 sec	SAGITTAL VIBE Post 90 sec
TR	1000 ms	1100 ms	4200 ms	4500 ms	4700 ms	4670 ms	6700 ms	6.8 ms	3.6 ms	3.5 ms	3.5 ms	3.6 ms
TE	89 ms	97 ms	99 ms	99 ms	99 ms	90 ms	76 ms	1: 2.39 ms 2: 4.77 ms	1.84 ms	1.69 ms	1.69 ms	1.84 ms
Flip Angle	105 deg	170 deg	160 deg	160 deg	160 deg	160 deg	—	10 deg	10 deg	10 deg	10 deg	10 deg
Turbo Factor	256	256	23	23	25	23	—	—	—	—	—	—
Bandwidth	698 Hz/Px	501 Hz/Px	300 Hz/Px	300 Hz/Px	300 Hz/Px	300 Hz/Px	1358 Hz/Px	510 Hz/Px	640 Hz/Px	640 Hz/Px	640 Hz/Px	640 Hz/Px
Fat-Water Contrast	Standard	Standard	Standard	Standard	Standard	Fat Saturation	SPAIR	Dixon	Fast Fat Saturation	Fast Fat Saturation	Fast Fat Saturation	Fast Fat Saturation
Fat Saturation	—	—	—	—	—	Strong	Strong	—	—	—	—	—
Gradient Mode	Fast	Fast	Normal	Normal	Normal	Normal	Fast	Fast	Fast	Fast	Fast	Fast
RF Pulse Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Fast	Fast	Fast	Fast	Fast
Asymmetric Echo	—	—	—	—	—	—	—	Strong	Off	Off	Off	Off

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Supported by an educational grant from Bracco Diagnostics Inc.

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

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ACQUISITION PARAMETERS

Scan Description	3 PLANE HASTE SCOUT	CORONAL T2 HASTE	SAGITTAL T2	AXIAL T2	CORONAL T2	AXIAL T2 Fat Sat	AXIAL DWI	AXIAL 3D IN OUT CAIPI	SAGITTAL VIBE Pre	AXIAL VIBE Pre	AXIAL VIBE Post 30 sec 60 sec 180 sec	SAGITTAL VIBE Post 90 sec
Base Resolution	256	256	320	320	320	320	160	288	288	288	288	288
Phase Resolution	100%	100%	70%	70%	80%	80%	100%	65%	70%	75%	75%	70%
Slice Resolution	—	—	—	—	—	—	—	61%	61%	61%	61%	61%
Averages	1	1	3	2	2	2	1, 3	1	1	1	1	1
Concatenations	1	2	2	2	2	2	1	1	1	1	1	1
b-value	—	—	—	—	—	—	0 s/mm2 50 s/mm2 800 s/mm2	—	—	—	—	—
FoV Read	380 mm	340 mm	220 mm	220 mm	200 mm	225 mm	380 mm	425 mm	350 mm	425 mm	425 mm	350 mm
FoV Phase	100%	100%	100%	113%	109%	106%	80%	89%	89%	92%	92%	89%
Phase Encoding Dir.	R >> L	R >> L	A >> P	R >> L	R >> L	R >> L	A >> P	A >> P	A >> P	A >> P	A >> P	A >> P
Phase Oversampling	50%	50%	43%	100%	100%	100%	0%	25%	20%	20%	20%	20%
Slice Oversampling	—	—	—	—	—	—	—	23%	54%	27%	27%	54%
Phase Partial Fourier	4/8	4/8	Off	Off	Off	Off	6/8	6/8	7/8	6/8	6/8	7/8
Slice Partial Fourier	—	—	—	—	—	—	—	6/8	7/8	6/8	6/8	7/8
Flow Compensation	None	None	None	None	None	None	—	—	—	—	—	—

SCANNING RANGE

Scan Description	3 PLANE HASTE SCOUT	CORONAL T2 HASTE	SAGITTAL T2	AXIAL T2	CORONAL T2	AXIAL T2 Fat Sat	AXIAL DWI	AXIAL 3D IN OUT CAIPI	SAGITTAL VIBE Pre	AXIAL VIBE Pre	AXIAL VIBE Post 30 sec 60 sec 180 sec	SAGITTAL VIBE Post 90 sec
Elliptical Filter	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
Normalize	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Off	Prescan	Prescan	Prescan	Prescan	Prescan
Raw Filter	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
Slice Thickness	6.0 mm	6.0 mm	4.0 mm	4.0 mm	4.0 mm	4.0 mm	7.0 mm	3.0 mm	3.0 mm	3.5 mm	3.5 mm	3.0 mm
Distance Factor	150%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Slices	Slices 13	Slices 34	Slices 38	Slices 39	Slices 40	Slices 39	Slices 32	Slices per Slab 104	Slices per Slab 104	Slices per Slab 88	Slices per Slab 88	Slices per Slab 104
Time of Acquisition	34 sec	47 sec	3:06 min	3:29 min	3:57 min	4:04 min	1:42 min	19 sec	18 sec	12 sec	12 sec	18 sec

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