NW
IMAGING FORUMS, INC.

ADRENAL 3T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• No special instructions for patient • Cover kidneys and adrenal glands
Common Indications	Characterization or follow up of adrenal mass, suspicion of pheochromocytoma (refractory hypertension, elevated plasma or urine catecholamines)
Position	Supine, head first or feet first
Coil	Phase Array Torso, 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	Power Injector preferred, CareBolus
Saline Flush	20 mL	2 mL/sec	—
Comments	• Radiologist to check pre contrast, to see if contrast is necessary; discretion of radiologist • Dixon Recons: In, Out, Fat, Water • 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 T2 HASTE Fat Sat	AXIAL 3D In-Out-of-Phase	AXIAL DWI	AXIAL VIBE Pre	AXIAL VIBE Post CAIPI BH 30 sec 60 sec 180 sec	CORONAL T1 VIBE Post 180 sec
Sequence Name	h	h	h	h	fl	epse	fl	fl	fl
Dimension	2D	2D	2D	2D	3D	—	3D	3D	3D
Acceleration mode	GRAPPA	GRAPPA	GRAPPA	GRAPPA	CAIPIRINHA	SMS	CAIPIRINHA	CAIPIRINHA	CAIPIRINHA
Acceleration Factor PE	2	2	2	2	2	2	2	2	2
Acceleration Factor 3D	—	—	—	—	2	—	2	2	2

SCAN PARAMETERS

Scan Description	HASTE LOCALIZER	CORONAL T2 HASTE	AXIAL T2 HASTE	AXIAL T2 HASTE Fat Sat	AXIAL 3D In-Out-of-Phase	AXIAL DWI	AXIAL VIBE Pre	AXIAL VIBE Post CAIPI BH 30 sec 60 sec 180 sec	CORONAL T1 VIBE Post 180 sec
TR	1100 ms	1300 ms	1300 ms	1300 ms	4.6 ms	3000 ms	4.2 ms	4.2 ms	4.6 ms
TE	84 ms	91 ms	91 ms	91 ms	1: 1.23 ms 2: 2.46 ms	60 ms	2.01 ms	2.01 ms	2.20 ms
Flip Angle	—	—	—	180 deg	—	—	—	—	—
Turbo Factor	179	256	198	198	—	—	—	—	—
Bandwidth	698 Hz/Px	698 Hz/Px	698 Hz/Px	698 Hz/Px	1200 Hz/Px	2084 Hz/Px	400 Hz/Px	400 Hz/Px	350 Hz/Px
Fat-Water Contrast	Standard	Standard	Standard	SPAIR	Dixon	SPAIR	Fast Fat Saturation	Fast Fat Saturation	Fast Fat Saturation
Fat Saturation	—	—	—	Strong	—	Strong	—	—	—
Gradient Mode	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast
RF Pulse Type	Normal	Fast	Fast	Fast	Fast	Low SAR	Fast	Fast	Fast
Asymmetric Echo	—	—	—	—	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

IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	HASTE LOCALIZER	CORONAL T2 HASTE	AXIAL T2 HASTE	AXIAL T2 HASTE Fat Sat	AXIAL 3D In-Out-of-Phase	AXIAL DWI	AXIAL VIBE Pre	AXIAL VIBE Post CAIPI BH 30 sec 60 sec 180 sec	CORONAL T1 VIBE Post 180 sec
Base Resolution	256	256	256	256	320	160	320	320	320
Phase Resolution	70%	100%	95%	95%	75%	100%	75%	75%	75%
Slice Resolution	—	—	—	—	57%	—	50%	50%	50%
Averages	1	1	1	1	1	3, 4	1	1	1
Concatenations	1	2	2	2	1	1	1	1	1
b-value >=	—	—	—	—	—	0 s/mm2 50 s/mm2 800 s/mm2	—	—	—
FoV Read	400 mm	400 mm	380 mm	380 mm	400 mm	380 mm	380 mm	380 mm	400 mm
FoV Phase	100%	100%	81%	81%	75%	80%	81%	81%	81%
Phase Encoding Dir.	A >> P	R >> L	A >> P	A >> P	A >> P	A >> P	A >> P	A >> P	R >> L
Slice Oversampling	—	—	—	—	36%	—	33%	33%	33%
Phase Partial Fourier	5/8	5/8	5/8	5/8	Off	Off	Off	Off	Off
Slice Partial Fourier	—	—	—	—	7/8	—	7/8	7/8	6/8
Flow Compensation	None	None	None	None	—	—	—	—	—

SCANNING RANGE

Scan Description	HASTE LOCALIZER	CORONAL T2 HASTE	AXIAL T2 HASTE	AXIAL T2 HASTE Fat Sat	AXIAL 3D In-Out-of-Phase	AXIAL DWI	AXIAL VIBE Pre	AXIAL VIBE Post CAIPI BH 30 sec 60 sec 180 sec	CORONAL T1 VIBE Post 180 sec
Elliptical Filter	On	Off	Off	Off	Off	Off	Off	Off	Off
Normalize	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan
Distortion Correction	2D	2D	2D	2D	2D	2D	2D	2D	2D
Slice Thickness	6.0 mm	6.0 mm	6.0 mm	6.0 mm	3.0 mm	7.0 mm	3.0 mm	3.0 mm	3.0 mm
Distance Factor	150%	20%	20%	20%	20%	0%	20%	20%	20%
Slices	9 Slices	30 Slices	30 Slices	30 Slices	88 Slices per Slab	36 Slices	72 Slices per Slab	72 Slices per Slab	72 Slices per Slab
Time of Acquisition	21 sec	39 sec	41 sec	41 sec	18 sec	1:51 min	15 sec	15 sec	17 sec

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