ADRENAL 1.5T

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 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, Care Bolus
Saline Flush	20 mL	2 mL/sec	—
Comments	• MD 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	3PLANE HASTE LOCALIZER	CORONAL T2 HASTE	AXIAL T2 HASTE	AXIAL T2 HASTE Fat Sat	AXIAL 3D IN/OUT CAIPI	AXIAL DWI	AXIAL VIBE Pre	AXIAL VIBE Post 25 sec 60 sec 180 sec	CORONAL T1 VIBE Post 180 sec
Sequence Name	h	h	h	h	fl	fl	fl	fl	fl
Dimension	2D	2D	2D	2D	3D	2D	3D	3D	3D
Acceleration Mode	GRAPPA	GRAPPA	GRAPPA	GRAPPA	CAIPIRINHA	VIBE	VIBE	VIBE	VIBE
Acceleration Factor PE	2	2	2	2	2	2	2	2	2
Acceleration Factor 3D	—	—	—	—	2	—	2	2	2

SCAN PARAMETERS

Scan Description	3PLANE HASTE LOCALIZER	CORONAL T2 HASTE	AXIAL T2 HASTE	AXIAL HASTE T2 Fat Sat	AXIAL 3D IN/OUT CAIPI	AXIAL DWI	AXIAL VIBE Pre	AXIAL VIBE Post 25 sec 60 sec 180 sec	CORONAL VIBE Post 180 sec
TR	1100.0 ms	1300.0 ms	1200.0 ms	1200.0 ms	6.8 ms	7200.0 ms	4.4 ms	4.4 ms	4.9 ms
TE	85 ms	89 ms	98 ms	98 ms	1: 2.39 ms 2: 4.77 ms	89 ms	2.21 ms	2.21 ms	2.38 ms
Flip Angle	150 deg	180 deg	160 deg	180 deg	10 deg	—	10 deg	10 deg	10 deg
Turbo Factor	179	256	45	198	—	—	—	—	—
Bandwidth	698 Hz/Px	698 Hz/Px	679 Hz/Px	698 Hz/Px	510 Hz/Px	1370 Hz/Px	410 Hz/Px	410 Hz/Px	350 Hz/Px
Fat-Water Contrast	Standard	Standard	Standard	Fat Saturation	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	Normal	Fast	Fast	Fast
Asymmetric Echo	Allowed	—	—	Off	Off	Allowed	Off	Off	Off

Disclaimer: The MR Protocols information is provided by independent physicians and technologists and is not intended to provide definitive or complete medical instructional or treatment information. Products referenced herein should be used consistently with their package inserts, and any devices referenced herein should be used consistently with the operation instructions provided by their respective manufactures. Northwest Imaging Forums, Inc. and Bracco Diagnostics Inc. do not offer medical advice and shall not be responsible for any person's reliance on this protocol.

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	3PLANE HASTE LOCALIZER	CORONAL T2 HASTE	AXIAL T2 HASTE	AXIAL HASTE T2 Fat Sat	AXIAL 3D IN/OUT CAIPI	AXIAL DWI	AXIAL VIBE Pre	AXIAL VIBE Post 25 sec 60 sec 180 sec	CORONAL VIBE Post 180 sec
Base Resolution	256	256	256	256	288	192	320	320	320
Phase Resolution	70%	100%	81%	95%	83%	80%	70%	70%	60%
Slice Resolution	—	—	—	—	60%	—	50%	50%	50%
Averages	1	1	1	1	1	1, 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	380 mm	380 mm	380 mm	380 mm	380 mm	380 mm	380 mm	400 mm
FoV Phase	100%	100%	81%	81%	83%	80%	90%	90%	81%
Phase Encoding Dir.	A >> P	R >> L	A >> P	A >> P	A >> P	A >> P	A >> P	A >> P	R >> L
Phase Oversampling	30%	50%	0%	0%	25%	0%	30%	30%	60%
Slice Oversampling	—	—	—	—	33%	—	33%	33%	33%
Phase Partial Fourier	5/8	4/8	—	5/8	6/8	7/8	Off	Off	Off
Slice Partial Fourier	—	—	—	—	6/8	—	6/8	6/8	6/8
Flow Compensation	None	None	None	None	—	—	—	—	—

SCANNING RANGE

Scan Description	3PLANE HASTE LOCALIZER	CORONAL T2 HASTE	AXIAL T2 HASTE	AXIAL HASTE T2 Fat Sat	AXIAL 3D IN/OUT CAIPI	AXIAL DWI	AXIAL VIBE Pre	AXIAL VIBE Post 25 sec 60 sec 180 sec	CORONAL VIBE Post 180 sec
Elliptical Filter	On	Off	Off	Off	Off	Off	Off	Off	Off
Normalize	Prescan	Prescan	Prescan	Prescan	Prescan	Off	Prescan	Prescan	Prescan
Raw Filter	Off	Off	Off	Off	Off	Off	Off	Off	Off
Distortion Correction	2D	2D	2D	2D	2D	2D	2D	2D	2D
Slice Thickness	6.0 mm	4.0 mm	4.0 mm	4.0 mm	3.0 mm	6.0 mm	3.0 mm	3.0 mm	3.0 mm
Distance Factor	150%	20%	20%	20%	20%	20%	20%	20%	20%
Slices	Slices 9	Slices 30	Slices 30	Slices 30	Slices per Slab 72	Slices 30	Slices per Slab 72	Slices per Slab 72	Slices per Slab 72
Time of Acquisition	0:21	0:39	0:38	0:38	0:16	2:11	0:15	0:15	0:19

Disclaimer: The MR Protocols information is provided by independent physicians and technologists and is not intended to provide definitive or complete medical instructional or treatment information. Products referenced herein should be used consistently with their package inserts, and any devices referenced herein should be used consistently with the operation instructions provided by their respective manufactures. Northwest Imaging Forums, Inc. and Bracco Diagnostics Inc. do not offer medical advice and shall not be responsible for any person's reliance on this protocol.

Supported by an educational grant from Bracco Diagnostics Inc.