SINUSES/FACE 1.5T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	Have patient close eyes and cover sinuses for these sequences
Position	Supine, head first
Coil	20 channel Head/Neck coil or better
Landmark	Glabella

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate
Gadopiclenol (VUEWAY)	0.05 mmol/kg	Hand Bolus
Saline Flush	10 mL	Hand Bolus
Comments	• Report agent administered and dose • Use minimal dose for patients with a GFR <60 mL/sec	

IMAGING PARAMETERS

Scan Description	SAGITTAL T1	AXIAL T1	AXIAL STIR	AXIAL DWI	CORONAL T2 Fat Sat	CORONAL T1	Post AXIAL VIBE DIXON	Post CORONAL VIBE DIXON	Post SAGITTAL VIBE DIXON
Sequence Name	qtse	tse	tir_rr	epse	tseR	tse	fl	fl	fl
Dimension	2D	2D	2D	—	2D	2D	3D	3D	3D
Acceleration Mode	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA
Acceleration Factor PE	3	3	3	2	3	3	2	2	2
Acceleration Factor 3D	—	—	—	Head > Brain	—	—	1	1	1

ACQUISITION PARAMETERS

Scan Description	SAGITTAL T1	AXIAL T1	AXIAL STIR	AXIAL DWI	CORONAL T2 Fat Sat	CORONAL T1	Post AXIAL VIBE DIXON	Post CORONAL VIBE DIXON	Post SAGITTAL VIBE DIXON
TR	500.0 ms	570.0 ms	3000.0 ms	4900.0 ms	3300.0 ms	604.0 ms	7.3 ms	7.3 ms	7.3 ms
TE	9.30 ms	9.30 ms	45.00 ms	98.0 ms	78.00 ms	9.30 ms	TE 1: 2.39 ms TE 2: 4.77 ms	TE 1: 2.39 ms TE 2: 4.77 ms	TE 1: 2.39 ms TE 2: 4.77 ms
TI	—	—	170 ms	—	—	—	—	—	—
Flip Angle	160 deg	160 deg	160 deg	—	160 deg	160 deg	12 deg	12 deg	12 deg
Turbo Factor	2	3	11	—	14	3	—	—	—
Bandwidth	217 Hz/Px	222 Hz/Px	200 Hz/Px	1184 Hz/Px	180 Hz/Px	222 Hz/Px	420 Hz/Px	420 Hz/Px	420 Hz/Px
Fat-Water Contrast	Standard	Standard	Standard	Fat Saturation	Fat Saturation	Standard	Dixon	Dixon	Dixon
Fat Saturation	—	—	—	Weak	Strong	—	—	—	—
Gradient Mode	Fast	Fast	Normal	Fast	Fast	Fast	Fast	Fast	Fast
RF Pulse Type	Normal	Normal	Fast	Normal	Normal	Normal	Fast	Fast	Fast
Asymmetric Echo	—	—	—	—	—	—	Weak	Weak	Weak

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Supported by an educational grant from Bracco Diagnostics Inc.

MR Gadopiclenol (VUEWAY®) Protocol for Siemens MRI Scanners
Central Nervous System

IMAGING FORUMS, INC.

SCAN PARAMETERS

Scan Description	SAGITTAL T1	AXIAL T1	AXIAL STIR	AXIAL DWI	CORONAL T2 Fat Sat	CORONAL T1	Post AXIAL VIBE DIXON	Post CORONAL VIBE DIXON	Post SAGITTAL VIBE DIXON
Base Resolution	320	352	288	128	320	352	224	224	224
Phase Resolution	70%	75%	75%	100%	90%	75%	100%	100%	100%
Slice Resolution	—	—	—	—	—	—	81%	81%	81%
Averages	1	2	2	—	2	2	1	1	1
Concatenations	2	2	2	1	2	2	1	1	1
b-value	—	—	—	0 s/mm2 1000 s/mm2	—	—	—	—	—
FoV Read	160 mm	160 mm	160 mm	220 mm	160 mm	160 mm	160 mm	160 mm	160 mm
FoV Phase	100%	100%	100%	100%	100%	100%	99%	99%	99%
Phase Encoding Dir.	A >> P	R >> L	R >> L	A >> P	R >> L	R >> L	R >> L	R >> L	A >> P
Slice Oversampling	—	—	—	—	—	—	30%	30%	30%
Phase Oversampling	200%	100%	120%	0%	100%	100%	50%	50%	50%
Slice Partial Fourier	—	—	—	—	—	—	Off	Off	Off
Phase Partial Fourier	Off	Off	Off	—	Off	Off	Off	Off	Off
Flow Compensation	None	None	Read	—	None	None	—	—	—

SCANNING RANGE

Scan Description	SAGITTAL T1	AXIAL T1	AXIAL STIR	AXIAL DWI	CORONAL T2 Fat Sat	CORONAL T1	Post AXIAL VIBE DIXON	Post CORONAL VIBE DIXON	Post SAGITTAL VIBE DIXON
Elliptical Filter	Off	Off	Off	Off	Off	Off	Off	On	On
Distortion Correction	2D	2D	2D	Off	2D	2D	2D	2D	2D
Normalize	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan
Distance Factor	33%	33%	33%	0%	33%	33%	20%	20%	20%
Slice Thickness	3.0 mm	3.0 mm	3.0 mm	5.0 mm	3.0 mm	3.0 mm	2.0 mm	2.0 mm	2.0 mm
Slices	36 Slices	32 Slices	32 Slices	30 Slices	34 Slices	34 Slices	80 Slices per Slab	80 Slices per Slab	80 Slices per Slab
Acquisition Time	2:03 min	2:29 min	3:20 min	51 sec	3:26 min	2:37 min	1:49 min	1:49 min	1:49 min

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