NW
IMAGING FORUMS, INC.

SINUSES/FACE 3T

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	Pre 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	tse_rr	tse	tirR	resolve	tseR	tse	fl	fl	fl
Dimension	2D	2D	2D	2D	2D	2D	3D	3D	3D
Acceleration Mode	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA
Acceleration Factor PE	4	4	4	2	4	4	2	2	2
Acceleration Factor 3D	—	—	—	—	—	—	1	1	1
AutoAlign	—	Head > Orbits	Head > Orbits	Head > Orbits	Head > Orbits	Head > Orbits	Head > Orbits	Head > Orbits	—

ACQUISITION PARAMETERS

Scan Description	SAGITTAL T1	Pre 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	600.0 ms	600.0 ms	3500.0 ms	7260.0 ms	3000.0 ms	600.0 ms	6.0 ms	6.0 ms	6.0 ms
TE	9.20 ms	11.00 ms	43.00 ms	1: 60 ms 2: 96 ms	76.00 ms	11.00 ms	1: 2.46 ms 2: 3.69 ms	1: 2.46 ms 2: 3.69 ms	1: 2.46 ms 2: 3.69 ms
TI	—	—	220 ms	—	—	—	—	—	—
TD	0.00 ms	0.00 ms	0.00 ms	—	0.00 ms	0.00 ms	—	—	—
Flip Angle	160 deg	160 deg	150 deg	180 deg	150 deg	160 deg	12 deg	12 deg	12 deg
Turbo Factor	2	2	11	80	15	2	—	—	—
Bandwidth	332 Hz/Px	302 Hz/Px	300 Hz/Px	919 Hz/Px	258 Hz/Px	302 Hz/Px	720 Hz/Px	720 Hz/Px	720 Hz/Px
Fat Saturation	—	—	—	Strong	Strong	—	—	—	—
Fat-Water Contrast	Standard	Standard	Standard	Fat Saturation	Fat Saturation	Standard	Dixon	Dixon	Dixon
Gradient Mode	Fast	Fast	Normal	Fast	Normal	Fast	Fast*	Fast*	Fast*
RF Pulse Type	Normal	Normal	Normal	Normal	Fast	Normal	Fast	Fast	Fast
Asymmetric Echo	—	—	—	—	—	—	Weak	Weak	Weak

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
Central Nervous System

IMAGING FORUMS, INC.

SCAN PARAMETERS

Scan Description	SAGITTAL T1	Pre 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	320	160	352	352	192	192	192
Phase Resolution	70%	75%	75%	100%	100%	75%	100%	100%	100%
Slice Resolution	—	—	—	—	—	—	100%	100%	100%
Averages	1	1	2	—	2	1	1	1	1
Concatenations	2	2	2	1	2	2	1	1	1
b-value 1	—	—	—	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%	99%	100%	100%	100%	99%	100%	100%	100%
Phase Encoding Dir.	P >> A	R >> L	R >> L	A >> P	R >> L	R >> L	R >> L	R >> L	A >> P
Phase Oversampling	150%	100%	100%	0%	80%	80%	30%	30%	60%
Slice Oversampling	—	—	—	—	—	—	44%	44%	63%
Phase Partial Fourier	Off	Off	Off	Off	Off	Off	Off	Off	Off
Slice Partial Fourier	—	—	—	—	—	—	Off	Off	Off
Flow Compensation	Read	None	None	—	None	None	—	—	—

SCANNING RANGE

Scan Description	SAGITTAL T1	Pre 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	Off
Image Filter	Off	Off	Off	—	Off	Off	—	—	—
Normalize	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan
Raw Filter	Off	Off	Off	On	Off	Off	Off	Off	Off
Distortion Correction	2D	2D	2D	Off	2D	2D	2D	2D	2D
Distance Factor	33%	33%	33%	33%	33%	33%	20%	20%	20%
Slice Thickness	3.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm
Slices	36 Slices	32 Slices	32 Slices	32 Slices	34 Slices	34 Slices	50 Slices per Slab	50 Slices per Slab	64 Slices per Slab
Acquisition Time	1:38 min	1:33 min	3:11 min	2:34 min	2:35 min	1:26 min	47 sec	47 sec	1:23 min

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