SOFT TISSUE NECK 1.5T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Flow Compensation is an option for all sequences • Use pre- and postcontrast T1 when using Flow Compensation • If contrast is used, lesions and cancer staging slices may vary based on indication • Coronal coverage - top of orbits thru manubrium • Axial coverage - tailored to area of interest (nasopharynx/oropharynx/parotids) cover lesions or area of interest
Position	Supine, head first
Coil	Head/Neck coil
Landmark	Chin

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate
Gadopiclenol (VUEWAY)	0.05 mmol/kg	Hand Bolus
Saline Flush	10 mL	Hand Bolus
Comments	• No Fat Sat on precontrast • Use Fast DIXON with Strong Fat Sat. Use Interpolation • 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 T2 Fat Sat DIXON	AXIAL DWI	CORONAL T2	Post AXIAL T1 DIXON	Post CORONAL T1 DIXON	Post SAGITTAL T1 DIXON
Sequence Name	tseBR	tse	tseR	epse	tseBR	tse	tse	tse
Dimension	2D	2D	—	—	2D	—	—	—
Acceleration Mode	GRAPPA	GRAPPA	None	GRAPPA	GRAPPA	GRAPPA	GRAPPA	GRAPPA
Acceleration Factor PE	2	2	—	2	2	2	2	2
AutoAlign	—	—	—	Head > Brain	—	—	—	—

ACQUISITION PARAMETERS

Scan Description	SAGITTAL T1	Pre AXIAL T1	AXIAL T2 Fat Sat DIXON	AXIAL DWI	CORONAL T2	Post AXIAL T1 DIXON	Post CORONAL T1 DIXON	Post SAGITTAL T1 DIXON
TR	3240.0 ms	595.0 ms	4070.0 ms	4900.0 ms	3460.0 ms	611.0 ms	611.0 ms	611.0 ms
TE	87.00 ms	17.00 ms	77.00 ms	98.0 ms	87.00 ms	13.00 ms	13.00 ms	13.00 ms
Flip Angle	160 deg	160 deg	180 deg	—	122 deg	180 deg	180 deg	180 deg
Turbo Factor	23	3	19	—	23	3	3	3
Bandwidth	252 Hz/Px	200 Hz/Px	340 Hz/Px	1184 Hz/Px	252 Hz/Px	252 Hz/Px	252 Hz/Px	252 Hz/Px
Echo Spacing	7.28 ms	8.30 ms	11.02 ms	—	7.28 ms	13.46 ms	13.46 ms	13.46 ms
Echo Trains per Slice	32	68	22	—	32	72	72	72
Fat-Water Contrast	Standard	Standard	Dixon	Fat Saturation	Standard	Dixon	Dixon	Dixon
Fat Saturation	—	—	Strong	Weak	—	Strong	Strong	Strong
Gradient Mode	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast
RF Pulse Type	Fast	Fast	Fast	Normal	Fast	Normal	Normal	Normal
Asymmetric Echo	—	—	Off	—	—	Off	Off	Off

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

IMAGING FORUMS, INC.

SCAN PARAMETERS

Scan Description	SAGITTAL T1	Pre AXIAL T1	AXIAL T2 Fat Sat DIXON	AXIAL DWI	CORONAL T2	Post AXIAL T1 DIXON	Post CORONAL T1 DIXON	Post SAGITTAL T1 DIXON
Base Resolution	320	320	320	128	320	320	320	320
Phase Resolution	—	70%	70%	100%	—	70%	70%	70%
Averages	1	3	1	—	1	1	1	1
Concatenations	2	2	2	1	2	3	3	3
b-value	—	—	—	0 s/mm2 1000 s/mm2	—	—	—	—
FoV Read	200 mm	200 mm	200 mm	220 mm	220 mm	200 mm	220 mm	220 mm
FoV Phase	100%	100%	100%	100%	100%	100%	100%	100%
Phase Encoding Dir.	A >> P	R >> L	R >> L	A >> P	R >> L	R >> L	R >> L	A >> P
Phase Oversampling	100%	80%	80%	0%	100%	80%	80%	80%
Phase Partial Fourier	—	Off	Off	—	—	Off	Off	Off
Flow Compensation	None	None	None	—	None	None	None	None

SCANNING RANGE

Scan Description	SAGITTAL T1	Pre AXIAL T1	AXIAL T2 Fat Sat DIXON	AXIAL DWI	CORONAL T2	Post AXIAL T1 DIXON	Post CORONAL T1 DIXON	Post SAGITTAL T1 DIXON
Elliptical Filter	Off	On	Off	Off	Off	Off	Off	Off
Normalize	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan	Prescan
Distortion Correction	2D	2D	2D	Off	2D	2D	2D	2D
Distance Factor	20%	30%	30%	0%	20%	30%	30%	20%
Slice Thickness	5.0 mm	5.0 mm	5.0 mm	5.0 mm	5.0 mm	5.0 mm	5.0 mm	5.0 mm
Slices	36	36	36	30 Slices	36	36	36	36
Acquisition Time	3:35 min	4:05 min	6:08 min	51 sec	3:50 min	4:27 min	4:27 min	4:27 min

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