CERVICAL SPINE 3T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Instruct patients to try not to swallow, lick their lips, or move their chin • If using H >> F phase direction for Sagittal sequences, anterior Sat band is not needed • Sagittal DWI: Monopolar, Diff weight 2 b Value 0 & 400 (1 & 2 avg) • Typically done without contrast
Common Indications	Tumor, multiple sclerosis, infection
Position	Supine, head first
Coil	20 Channel Head/Neck coil or better
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	Report agent administered and dose	

IMAGING PARAMETERS

Scan Description	SAGITTAL T2	SAGITTAL T1	SAGITTAL STIR	AXIAL MEDIC	AXIAL T2	Post SAGITTAL T1 DIXON	Post AXIAL T1 DIXON
Primary Sequence	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pulse Sequence	tseR_rr	slice sel ir	tir	me_r	tse_rs	tse	tse
Mode	2D	2D	2D	2D	2D	2D	2D
I-Pat	2	2	2	3	2	2	2

SCAN PARAMETERS

Scan Description	SAGITTAL T2	SAGITTAL T1	SAGITTAL STIR	AXIAL MEDIC	AXIAL T2	Post SAGITTAL T1 DIXON	Post AXIAL T1 DIXON
TE	93	9	50	8-10	83	10	11
TR	3200	1070	3500	400-800	3070	600	700
TI	—	500	210	—	—	—	—
Flip Angle	120-180	120-180	140	30	120-180	140	160
Turbo Factor	19	10	14	—	16	3	3
Bandwidth	260	254	200	330	250	330	355
Fat Sat	—	—	—	—	—	Strong	Strong
Gradient Speed	Normal	Normal	Normal	Normal	Normal	Normal	Normal
RF Mode	Normal	Normal	Normal	Normal	Normal	Normal	Normal

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.

ACQUISITION PARAMETERS

Scan Description	SAGITTAL T2	SAGITTAL T1	SAGITTAL STIR	AXIAL MEDIC	AXIAL T2	Post SAGITTAL T1 DIXON	Post AXIAL T1 DIXON
MATRIX Freq	448	256	256	192	256	384	256
MATRIX Phase	100%	100%	100%	100%	100%	60%	60%
Averages	2	2	2	3	2	2	2
Concatenations	1	3	1	1	2	1	2
Rec FOV	100%	100%	100%	100%	100%	100%	100%
Phase DIR	H >> F	H >> F	H >> F	A >> P	A >> P	H >> F	A >> P
Phase Over Sample	75%	70%	70%	30%	25%	75%	30%
Partial Fourier	Off	Off	Off	Off	Off	Off	Off
FC Direction	Read	None	Read	On	On	None	None

SCANNING RANGE

Scan Description	SAGITTAL T2	SAGITTAL T1	SAGITTAL STIR	AXIAL MEDIC	AXIAL T2	Post SAGITTAL T1 DIXON	Post AXIAL T1 DIXON
FOV	200	200	200	180	180	180	180
Filter	Prescan	Prescan	B1 Filter	Prescan	Prescan	Prescan	Prescan
Slice Thickness	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Spacing %	25%	25%	25%	10%	10%	25%	10%
Number of Slices	15	15	15	30	30	15	30
Acquisition Time	1:28 min	2:26 min	1:57 min	3:44 min	2:10 min	2:45 min	3:13 min

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