CERVICAL SPINE 1.5T

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 • Typically done without contrast
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	• Sagittal STIR good for disc contours • In place of MEDIC for cases of trauma or infection use Interpolation • Fat Sat is an option for post contrast • 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	tse	tir	ir	med	tse	tse	tse
Mode	2D	2D	2D	2D	2D	2D	2D
I-Pat	2	3	3	2	2	4	3

SCAN PARAMETERS

Scan Description	SAGITTAL T2	Pre SAGITTAL T1	SAGITTAL STIR	AXIAL MEDIC	AXIAL T2	Post SAGITTAL T1 Fat Sat	Post AXIAL T1 Fat Sat
TE	90-100	15-20	40	20-30	90-100	15-20	15-20
TR	3000	1500	3000	1200-1400	3000	1500	400-800
TI	—	692	160	—	—	692	—
Flip Angle	120-180	120-150	120-150	30	120-150	120-150	120-150
Turbo Factor	20	6	12	—	—	6	3
Bandwidth	230-260	230-260	180-200	265-300	180-200	230-260	230-260
Gradient Speed	Fast	Fast	Normal	Fast	Fast	Fast	Fast
RF Mode	Fast	Fast	Fast	Fast	Fast	Fast	Fast

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

IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	SAGITTAL T2	Pre SAGITTAL T1	SAGITTAL STIR	AXIAL MEDIC	AXIAL T2	Post SAGITTAL T1 Fat Sat	Post AXIAL T1 Fat Sat
MATRIX Freq	224	208	192	256	256	192	256
MATRIX Phase	71%	61%	60%	75%	75%	65%	70%
Averages	2	2	2	1	2	2	2
Concatenations	1	3	2	1	2	2	2
Rec FOV	140%	140%	140%	75%	100%	140%	100%
Phase DIR	H >> F	H >> F	H >> F	P >> A	P >> A	H >> F	P >> A
Phase Over Sample	120%	120%	100%	70%	75%	120%	100%
Partial Fourier	Off	—	Off	Off	Off	Off	Off

SCANNING RANGE

Scan Description	SAGITTAL T2	Pre SAGITTAL T1	SAGITTAL STIR	AXIAL MEDIC	AXIAL T2	Post SAGITTAL T1 Fat Sat	Post AXIAL T1 Fat Sat
FOV	140	140	140	170	180	140	180
Filter	Prescan Normal	Prescan Normal	Prescan Normal	Prescan Normal	Prescan Normal	Prescan Normal	Prescan Normal
Slice Thickness	3	3	3	4	4	4	4
Spacing %	17%	17%	17%	15%	15%	17%	15%
Number of Slices	12-17	12-17	15-17	30	30	30	30
Acquisition Time	1:05 min	1:20 min	2:20 min	2:41 min	1:40 min	2:05 min	1:31 min

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