CERVICAL SPINE 1.5T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Sagittal - cover through foramina • Axial - Base of skull through C7. For sequences with Fat Sat, place shim centered on upper C-Spine to improve quality • Instruct patients to try not to swallow, lick their lips, or move their chin
Common Indications	Tumor, multiple sclerosis, infection
Position	Supine, head first
Coil	C/T/L Coil (C12) or Head/Neck coil
Landmark	Chin

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate									
Gadopiclenol (VUEWAY)	0.05 mmol/kg up to a calculated volume of 10 mL	Hand Bolus									
Saline Flush	10-20 mL	Hand Bolus									
Comments	—	—	—	—	—	Pre or post contrast	Post contrast	Alternate for metal reduction	Trauma	Trauma use Shim to reduce banding	Optional Trauma in Coronal CUBE STIR FOCUS not available

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL T1 FSE	SAGITTAL T2	SAGITTAL STIR	AXIAL T2 MERGE	Pre or Post AXIAL T1	Post SAGITTAL T1 FS	AXIAL T2	CORONAL CUBE STIR FOCUS	SAGITTAL 3D FIESTA	CORONAL T2 IDEAL
Primary Sequence	Yes	Yes	Yes	Yes	Yes	Yes	Yes Post contrast	No	No	No	No
Mode	2D Std Loc	2D	2D	2D	2D	2D	2D	2D	3D	3D	2D
Pulse Sequence	SSFSE	FSE	FRFSE-XL	FSE-IR	MERGE	FSE-XL	FSE-XL	FSE-XL	CUBE	FIESTA-C	FSE-XL
Parallel Imaging	2	No	No	2	No	No	No	No	Yes	No	No
Options	SEQ, TRF, EDR, FAST, SS, ARC	TRF, EDR, SEQ, FAST	FC, TRF, FAST, FR	EDR, TRF, FR, ARC, IrP, PROPELLER	FC, TRF, FAST, FR	TRF, FAST	TRF, FAST	TRF, FAST	EDR, FAST, ZIP512, FR, ARC, HS, IrP	EDR, FAST, ZIP512	NPW, FAST, FC, IDEAL

SCAN PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL T1 FSE	SAGITTAL T2	SAGITTAL STIR	AXIAL T2 MERGE	Pre or Post AXIAL T1	Post SAGITTAL T1 FS	AXIAL T2	CORONAL CUBE STIR FOCUS	SAGITTAL 3D FIESTA	CORONAL T2 IDEAL
TE	80	Min-Full	102	42	5.5	Min-Full	Min-Full	85	80	Min	85
TR	Min	500	3000	4000	850	500-700	500-700	4000	2800	def	3000
TI	—	—	—	160	—	—	—	—	220	—	—
Flip Angle	—	—	Auto	Auto	20	—	—	Auto	—	55	—
ETL	—	3	21	18	4 Echo	3	33	27	100	—	14
Bandwidth	83	20	41	50	150-230	20	20	62	41	62	62
SAT	—	Anterior	Anterior	Anterior	Anterior	Anterior/Optional Fat post contrast	Anterior/Fat Sat	Yes	—	—	—

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Supported by an educational grant from Bracco Diagnostics Inc.

MR Gadopiclenol (VUEWAY®) Protocol for GE HealthCare Systems
Central Nervous System

IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL T1 FSE	SAGITTAL T2	SAGITTAL STIR	AXIAL T2 MERGE	Pre or Post AXIAL T1	Post SAGITTAL T1 FS	AXIAL T2	CORONAL CUBE STIR FOCUS	SAGITTAL 3D FIESTA	CORONAL T2 IDEAL
MATRIX freq	256	320	320	260	288	256	320	320	240	192	288
MATRIX phase	128	224	256	260	224	192	224	224	240	192	224
NEX	1	3	4	3	2	3	3	2	1	1	2
Freq DIR	—	S/I	S/I	S/I	R/L	R/L	S/I	S/I	S/I	S/I	R/L
Accel	2	—	—	2	—	—	—	—	ARC 2/1.5 HS 1.2	—	ARC 2 if available
FC Direction	—	No	Freq	No	Yes	Slice	No	—	—	—	Freq

SCANNING RANGE

Scan Description	3PL LOCALIZER	SAGITTAL T1 FSE	SAGITTAL T2	SAGITTAL STIR	AXIAL T2 MERGE	Pre or Post AXIAL T1	Post SAGITTAL T1 FS	AXIAL T2	CORONAL CUBE STIR FOCUS	SAGITTAL 3D FIESTA	CORONAL T2 IDEAL
FOV	30	22	22	22	20	20	22	20	25	14	26
Phase FOV	1	0.8	0.8	1	0.8	0.8	0.8	0.8	0.9	1	1
Filter	—	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	SCIC	PURE
Slice Thickness	5	3	3	3	4	4	3	4	1.4	1.4	3
Spacing %	5	.3	.3	.3	0	Interleaved	.3	Interleaved	0	0	.3
Number of Slices	10-15 each plane	15	15	15	28-35	28-35	15	30-40	166	60	20
Acquisition Time	0:25 sec	~3-4 min	~3 min	~4 min	~5 min	~3-4 min	4 min	~4 min	4 min	~3 min	~3 min

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