LUMBAR SPINE 3.0T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Sagittal - Cover through foramina, T11-thecal sac • Axial - Bottom of T12 through thecal sac. Can use two stacks (upper and lower) angled to disc spaces
Common Indications	Tumor, infection, post surgery
Position	Supine head first for CTL Coil, or Supine Feet First for Gems Table
Coil	Spine array coil
Landmark	1-2" above iliac crest

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	—	—	—	—	Can angle to the disc spaces or stack axially	Can angle to the disc spaces or stack axially	Post contrast	Post contrast	Alternative to FLAIR

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL T1 FLAIR	SAGITTAL T2	SAGITTAL STIR	AXIAL T2	AXIAL T1	Post AXIAL T1	Post SAGITTAL T1 FS	SAGITTAL T1
Primary Sequence	Yes	Yes	Yes	Yes	Yes	Yes	Yes contrast	No	No
Mode	2D Std Loc	2D	2D	2D	2D	2D	2D	2D	2D
Pulse Sequence	SSFSE	FSE-XL	FSE-XL	FSE-XL	FSE-XL	FSE-XL	FSE-XL	FSE-XL	FSE-XL
Parallel Imaging	2	No	No	No	No	No	No	No	No
Options	SEQ, TRF, EDR, FAST, SS, ARC	NPW, FC, EDR, SEQ, TRF, FAST	FC, NPW, TRF, FAST, FR	NPW, SEQ, EDR, IrP	NPW, TRF, FAST, FR, FC	NPW, EDR, TRF, FAST	NPW, EDR, TRF, FAST, FC	NPW, EDR, TRF, FAST, FC	NPW, EDR, TRF, FAST, FC

SCAN PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL T1 FLAIR	SAGITTAL T2	SAGITTAL STIR	AXIAL T2	AXIAL T1	Post AXIAL T1	Post SAGITTAL T1 FS	SAGITTAL T1
TE	80	24	80	42	87	15	15	15	15
TR	Min	3500	4000	4000	4000	800	500	500	500
TI	—	Auto	—	180	—	—	—	—	—
Flip Angle	—	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
ETL	—	8	21	10	12	3	3	3	3
Bandwidth	—	41	41	41	31	25	25	25	25
SAT	83	Anterior	Anterior	Anterior	Anterior	Anterior	Anterior/ Optional Fat	Anterior/Fat	Anterior

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

IMAGING FORUMS, INC.

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL T1 FLAIR	SAGITTAL T2	SAGITTAL STIR	AXIAL T2	AXIAL T1	Post AXIAL T1	Post SAGITTAL T1 FS	SAGITTAL T1
MATRIX freq	256	320	384	320	320	320	320	320	320
MATRIX phase	128	224	224	192	224	224	224	224	224
NEX	1	2	3	3	2	2	2	4	4
Freq DIR	—	A/P	A/P	A/P	A/P	A/P	A/P	A/P	A/P
FC Direction	—	—	Freq	—	Slice	—	Slice	Freq	Freq

SCANNING RANGE

Scan Description	3PL LOCALIZER	SAGITTAL T1 FLAIR	SAGITTAL T2	SAGITTAL STIR	AXIAL T2	AXIAL T1	Post AXIAL T1	Post SAGITTAL T1 FS	SAGITTAL T1
FOV	40	28	28	28	20	20	20	28	28
Phase FOV	—	1	1	1	1	1	1	1	1
Filter	—	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE
Slice Thickness	5	4	4	4	4	4	4	4	4
Spacing	10	0.4	0.4	0.4	1	1	1	0.4	0.4
Number of Slices	10-15 each plane	14-20	14-20	14-20	25-35	25-35	25-35	14-20	14-20
Scan Time	0:25 sec	~3.5-4 min	~3 min	~4 min	~4-6 min	~4-6 min	~4-6 min	~3.5-4 min	~3.5-4 min

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