LUMBAR PLEXUS 1.5T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Coronal - Angle with Anterior Aspect of L4 vertebral body, S/I Cover L3 through greater trochanter • Axial - Straight cover Mid L4 through greater trochanter • Sagittal-Oblique to affected side parallel to nerves • If HyperSense is not an option for your scanner, scan will be longer than indicated
Position	Supine, feet first
Coil	Air Coil (best if available), 30 Small, Gems Body, Torso Array
Landmark	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

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER	CORONAL 2D STIR	CORONAL PD	CORONAL CUBE STIR FOCUS	AXIAL T1	CORONAL DWI MUSE	SAGITTAL PD CUBE-Flex	Post AXIAL T1 FS	Post CORONAL CUBE STIR FOCUS	Post SAGITTAL T1 LAVA FS	Post CORONAL T1 LAVA FS
Primary Sequence	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mode	2D	2D	2D	3D	2D	3D	3D	2D	3D	3D	3D
Pulse Sequence	SSFSE	FSE-XL	FSE-XL	CUBE	FSE-XL	FSE-XL	CUBE	FSE-XL	CUBE	LAVA	LAVA
Imaging Options	SEQ, EDR, FAST, SS, ARC, TRF	FC, SEQ, EDR, TRF, FAST, ARC, IRP (NPW 1.8)	FC, EDR, TRF, FAST, ARC (NPW 1.8)	EDR, FAST, ZIP2, FR, ARC, HS, IRP	NPW, EDR, TRF, FAST	EDR, EPI, DIFF, ASSET	EDR, FAST, ZIP2, FR, ARC, FLEX, HS	NPW, EDR, TRF, FAST	EDR, FAST, ZIP2, FR, ARC, HS, IRP	EDR, FAST, ZIP2, ARC (NPW 1.5)	EDR, FAST, ZIP2, ARC (NPW 1.5)

SCAN PARAMETERS

Scan Description	3PL LOCALIZER	CORONAL 2D STIR	CORONAL PD	CORONAL CUBE STIR FOCUS	AXIAL T1	CORONAL DWI MUSE	SAGITTAL PD CUBE-Flex	Post AXIAL T1 FS	Post CORONAL CUBE STIR FOCUS	Post SAGITTAL T1 LAVA FS	Post CORONAL T1 LAVA FS
TE	80	42	32	110	18	Min	30	18	110	—	—
TR	1000	5000	3000	3000	650	5000	1500	650	3000	—	—
TI	—	220	—	200	—	—	—	—	200	7	7
Flip Angle	—	—	—	—	160	—	—	160	—	12	12
ETL	—	11	10	130	4	—	35	4	130	—	—
Bandwidth	62	31	31	41	31	—	150	31	41	62	62
Sat	—	—	—	—	—	—	—	Fat	—	Special Fat	Special Fat

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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	CORONAL 2D STIR	CORONAL PD	CORONAL CUBE STIR FOCUS	AXIAL T1	CORONAL DWI MUSE	SAGITTAL PD CUBE-Flex	Post AXIAL T1 FS	Post CORONAL CUBE STIR FOCUS	Post SAGITTAL T1 LAVA FS	Post CORONAL T1 LAVA FS
MATRIX freq	256	320	512	256	384	120	300	384	256	300	300
MATRIX phase	192	192	352	256	288	256	300	288	256	200	200
NEX	1	1	1	1	1	b50 3 Nex b800 6 Nex	1	1	1	2	2
Freq Direction	Unswap	S/I	S/I	S/I	R/L	S/I	S/I	R/L	S/I	S/I	S/I
Image Enhance	—	PURE	PURE	PURE	PURE	Super G	PURE	PURE	PURE	62	62
FC Direction	—	Freq	Freq	—	—	—	—	—	—	—	—
User CV	—	ACC=2/2	—	Accel 1.1/1 HS 1.2	—	Accel=2 Ramp Samp 1 Recon Type 1 Enh Fat 1 RG 1	Accel=2/2 HS 1.3	—	Accel 1.1/1 HS 1.2	Accel=1.5/1.5 Turbo 1	Accel=1.5/1.5 Turbo 1

SCANNING RANGE

Scan Description	3PL LOCALIZER	CORONAL 2D STIR	CORONAL PD	CORONAL CUBE STIR FOCUS	AXIAL T1	CORONAL DWI MUSE	SAGITTAL PD CUBE-Flex	Post AXIAL T1 FS	Post CORONAL CUBE STIR FOCUS	Post SAGITTAL T1 LAVA FS	Post CORONAL T1 LAVA FS
FOV	38	32	32	32	30	32	30	30	32	30	30
Phase FOV	1	1	—	0.9	1	1	1	1	0.9	1	1
Slice Thickness	7	3	3	1.4	4	2.9	1.2	4	1.4	2	2
Spacing	5	0	0	—	1	0	—	1	—	0	0
Number of Slices	7-Ax/SagCor	PRN	PRN	82	PRN	PRN	92	PRN	82	128	128
Scan Time	0:18 sec	2-4 min	2-3 min	5-7 min	4 min	3-5 min	~3 min	4 min	~3 min	3-5 min	1-3 min

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