BRACHIAL PLEXUS 3.0T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Sagittal - Cover top of C-spine through T-5 affected side only • Axial - Cover C5 through top of T5 affected side only • Coronal - S/I cover above C3 through axilla, A/P cover posterior spine through clavicle • If HyperSense is not an option for your scanner, scan will be longer than indicated
Position	Supine, head first
Coil	HNU, Air Coil, or Small Flex
Landmark	Sternal Notch

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	SAGITTAL 3D T1 CUBE	CORONAL T1 FSE	AXIAL T2 FS Flex	AXIAL T1 FSE	Pre and/or Post CORONAL 3D STIR CUBE	Post AXIAL T1 Flex	Post SAGITTAL 3D T1 CUBE Flex	Post CORONAL 3D T1 LAVA-Flex
Primary Sequence	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Mode	2D	3D	2D	2D	2D	3D	2D	3D	3D
Pulse Sequence	SSFSE	CUBE	FSE-XL	FSE-XL	FSE-XL	CUBE STIR FOCUS	FSE-XL	CUBE	LAVA
Imaging Options	SEQ, EDR, FAST, SS, ARC, TRF	EDR, ZIP2, ZIP512, FR, ARC	FAST, TRF, FC, NP	FC, TRF, FAST, FLEX	EDR, TRF, FAST	EDR, FAST, ZIP2, FR, ARC, HS, IrP	EDR, TRF, FAST, ARC, FLEX	EDR, ZIP2, ZIP512, FR, ARC, FLEX	EDR, FAST, ZIP512, ZIP2, ARC, FLEX

SCAN PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL 3D T1 CUBE	CORONAL T1 FSE	AXIAL T2 FS Flex	AXIAL T1 FSE	Pre and/or Post CORONAL 3D STIR CUBE	Post AXIAL T1 Flex	Post SAGITTAL 3D T1 CUBE Flex	Post CORONAL 3D T1 LAVA-Flex
TE	80	Min	Min	85	Min	60	Min	Min	Min-Full
TR	1000	500	758	3000	500	3000	500	500	—
TI	—	—	—	—	—	230	—	—	—
Flip Angle	—	Auto	—	Auto	—	—	—	Auto	12
ETL	—	20	4	20	3	130	3	23	—
Bandwidth	83	62	50	50	31	100	31	62	—
Sat	—	—	—	—	—	—	—	—	—

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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 3D T1 CUBE	CORONAL T1 FSE	AXIAL T2 FS Flex	AXIAL T1 FSE	Pre and/or Post CORONAL 3D STIR CUBE	Post AXIAL T1 Flex	Post SAGITTAL 3D T1 CUBE Flex	Post CORONAL 3D T1 LAVA-Flex
MATRIX freq	256	240	384	288	288	320	288	240	228
MATRIX phase	192	240	288	224	224	320	224	240	220
NEX	1	1	2	2	2	1	2	1	2
Freq Direction	Unswap	S/I	S/I	R/L	R/L	S/I	R/L	S/I	S/I
Image Enhance	—	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE
FC Direction	—	—	—	Slice	—	—	—	—	—
User CV	—	ACC=2/2 3D Correction	—	—	—	FOCUS CUBE STIR=1 APOD=1	—	ACC=2 3D Correction	ACC=2 3D Correction

SCANNING RANGE

Scan Description	3PL LOCALIZER	SAGITTAL 3D T1 CUBE	CORONAL T1 FSE	AXIAL T2 FS Flex	AXIAL T1 FSE	Pre and/or Post CORONAL 3D STIR CUBE	Post AXIAL T1 Flex	Post SAGITTAL 3D T1 CUBE Flex	Post CORONAL 3D T1 LAVA-Flex
FOV	38	26	22	24	24	24	18	26	30
Phase FOV	1	1	—	1	1	0.9	1	1	1
Slice Thickness	7	1.2	3	3	3	1.2	3	1.2	1
Spacing	5	—	0.5	0.5	0.5	—	0.5	—	—
Number of Slices	7-Ax/SagCor	160	20-25	24-26	24-26	80	24-26	160	236
Scan Time	0:18 sec	3-5 min	~-3-4 min	~2-3 min	~3 min	3-5 min	~3 min	3-5 min	~3 min

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