FOCUSED TOTAL SPINE 1.5T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Ordered through the ED, monitored by radiologist • Axial T2 from Routine Total Spine or entire routine protocol of one section can be requested after checking images • Contrast is optional depending on indication
Position	Supine head first
Coil	HNU+Gems spine coil
Landmark	Mid sternum

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	Series Description	Top 3PL LOCALIZER SSFSE	Bottom 3PL LOCALIZER SSFSE	C-spine SAGITTAL STIR PROPELLER	C-spine SAGITTAL T1 CUBE	T-spine SAGITTAL STIR	T-spine SAGITTAL T1 CUBE	L-spine SAGITTAL FSTIR	L-spine SAGITTAL CUBE T1	Post C-spine SAGITTAL T1 CUBE-Flex	Post T-spine SAGITTAL T1 CUBE Fat Sat	Post L-spine SAGITTAL T1 CUBE Fat Sat
Imaging Mode	2D	2D	2D	3D	2D	3D	2D	3D	3D	3D	3D	
Pulse Sequence	Spin Echo	Spin Echo	PROPELLER	CUBE	FSE-XL	CUBE	FSE-XL	CUBE	CUBE	CUBE	CUBE	
Imaging Options	SEQ, EDR, TRF, FAST, SS, ARC	SEQ, EDR, TRF, FAST, SS, ARC	EDR, TRF, FAST, FR, ARC, IrP	EDR, FAST, ZIP2, FR, ARC, HS	SEQ, EDR, TRF, FAST, FR, ARC, IrP	EDR, FAST, ZIP2, FR, ARC, HS	SEQ, EDR, TRF, FAST, IrP	EDR, FAST, ZIP2, FR, ARC	EDR, FAST, ZIP2, FR, FLEX, HS	EDR, FAST, ZIP2, FR, ARC	EDR, FAST, ZIP2, FR, ARC	

SCAN PARAMETERS

Scan Description	Series Description	Top 3PL LOCALIZER SSFSE	Bottom 3PL LOCALIZER SSFSE	C-spine SAGITTAL STIR PROPELLER	C-spine SAGITTAL T1 CUBE	T-spine SAGITTAL STIR	T-spine SAGITTAL T1 CUBE	L-spine SAGITTAL FSTIR	L-spine SAGITTAL CUBE T1	Post C-spine SAGITTAL T1 CUBE-Flex	Post T-spine SAGITTAL T1 CUBE Fat Sat	Post L-spine SAGITTAL T1 CUBE Fat Sat
Flip Angle	—	—	180	—	142	—	142	—	—	—	—	
TE	Min Full	Min Full	—	15	50	15	42	15	15	15	15	
Number of Echoes	1	1	1	1	1	1	1	1	1	1	1	
TR	1000	1000	3650	500	4553	600	4100	600	500	600	600	
TI	—	—	180	—	195	—	180	—	—	—	—	
Echo Train Length	—	—	18	24	13	20	10	24	24	24	24	
Receiver Bandwidth	83	83	63	63	63	63	42	63	63	63	63	
Filter Choice	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	PURE	
Protocol Note	—	—	—	ARC 2/1 HyperSense 1.2 Reformat in Axial plane	—	ARC 2/1 HyperSense 1.2 Reformat in Axial plane	—	ARC 2/1 Reformat in Axial plane	ARC 2/1 HyperSense 1.2 Reformat in Axial plane	ARC 2/1 Reformat in Axial plane	ARC 2/1 Reformat in Axial plane	

Disclaimer: The MR Protocols information is provided by independent physicians and technologists and is not intended to provide definitive or complete medical instructional or treatment information. Products referenced herein should be used consistently with their package inserts, and any devices referenced herein should be used consistently with the operation instructions provided by their respective manufactures. Northwest Imaging Forums, Inc. and Bracco Diagnostics Inc. do not offer medical advice and shall not be responsible for any person's reliance on this protocol.

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	Series Description	Top 3PL LOCALIZER SSFSE	Bottom 3PL LOCALIZER SSFSE	C-spine SAGITTAL STIR PROPELLER	C-spine SAGITTAL T1 CUBE	T-spine SAGITTAL STIR	T-spine SAGITTAL T1 CUBE	L-spine SAGITTAL FSTIR	L-spine SAGITTAL CUBE T1	Post C-spine SAGITTAL T1 CUBE-Flex	Post T-spine SAGITTAL T1 CUBE Fat Sat	Post L-spine SAGITTAL T1 CUBE Fat Sat
FOV	35	35	22	24	32	32	32	28	24	32	28	
Phase FOV	1	1	—	1	1	0.7	1	1	0.7	1	1	
Slice Thickness	6	6	4	1.4	4	1.2	4	1.4	1.4	1.4	1.4	
Location per Slab	—	—	—	84	—	72	—	54	68	54	54	
Slice Spacing	1.5	1.5	0.4	—	0.4	—	0.4	—	—	—	—	
Number of Slices	—	—	13	1	15	1	15	1	1	1	1	

SCANNING RANGE

Scan Description	Series Description	Top 3PL LOCALIZER SSFSE	Bottom 3PL LOCALIZER SSFSE	C-spine SAGITTAL STIR PROPELLER	C-spine SAGITTAL T1 CUBE	T-spine SAGITTAL STIR	T-spine SAGITTAL T1 CUBE	L-spine SAGITTAL FSTIR	L-spine SAGITTAL CUBE T1	Post C-spine SAGITTAL T1 CUBE-Flex	Post T-spine SAGITTAL T1 CUBE Fat Sat	Post L-spine SAGITTAL T1 CUBE Fat Sat
Freq	320	320	288	240	320	340	320	288	240	288	288	
Phase	192	192	—	240	320	340	192	288	240	288	288	
Freq DIR	Unswap	Unswap	Unswap	Unswap	A/P	S/I	Swap	Unswap	Unswap	Unswap	Unswap	
NEX	—	—	2	1	1	1	1	1	1	0.5	1	
Excitation Mode	Selective	Selective	Selective	Selective	Selective	Focus	Selective	Selective	Focus	Selective	Selective	
ADV CV	CV 1, CV 39	CV 1, CV 39	—	CUBE Enh 3	—	CUBE Enh 3	—	CUBE Enh 3	CUBE Enh 3	CUBE Enh 3	CUBE Enh 3	
Scan Time	0:40 sec	0:40 sec	2 min	2:30 min	2:30 min	2:30 min	2:30 min	3:30 min	3:30 min	3:30 min	3:30 min	

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