MOTION BRAIN 3.0T

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	This exam is tailored to the patient's condition and is meant for rapid assessment at lower resolution
Position	Supine, head first
Coil	GEM HNU or NVPA
Landmark	Glabella/Nasion

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate
Gadopiclenol (VUEWAY)	0.05 mmol/kg up to a calculated volume of 10 mL	2 mL/sec
Saline Flush	10-20 mL	2 mL/sec
Comments	Report agent administered and dose	

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER	AXIAL DWI	AXIAL 2D EPI GRE/T2*	AXIAL T2 PROPELLER	AXIAL or CORONAL T2 FLAIR PROPELLER	AXIAL 2D SSFSE	AXIAL T1 FAST	AXIAL DWI-HB Option	AXIAL T2 FLAIR FAST
Primary Sequence	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Mode	2D	2D	2D	2D	2D	2D	2D	2D	2D
Pulse Sequence	SSFSE	SE-EPI	EPI/GRE	FSE-PROP	FSE-PROP	SSFSE	FSE	SE-EPI epi2altoff Hyperband	FSE-XL
Imaging Options	SEQ, EDR, FAST, SS, ARC, TRF	EPI, DIFF, ASSET	—	PROP	PROP, TRF, IRP	EDR, TRF, FAST, ARC, SS	TRF, FAST	B=1000, DIR=ALL, ARC=3, HB	EDR, TRF, FAST, ZIP512, ARC

SCAN PARAMETERS

Scan Description	3PL LOCALIZER	AXIAL DWI	AXIAL 2D EPI GRE/T2*	AXIAL T2 PROPELLER	AXIAL or CORONAL T2 FLAIR PROPELLER	AXIAL 2D SSFSE	AXIAL T1 FAST	AXIAL DWI-HB Option	AXIAL T2 FLAIR FAST
TE	80	Min	35	—	116	Min	Min	Min	95
TR	1000	9000	2000	3650	9500	Min	500	5000	8000
TI	—	—	—	—	2375	—	—	—	Auto-2395
Flip Angle	—	—	—	—	—	—	150	—	160
ETL	—	—	2 shots	26	36	Max	4	—	23
Bandwidth	83	125	83	62	32	31	32	Def	50
Sat	—	—	—	Fat	—	S/I	—	Fat	—

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	3PL LOCALIZER	AXIAL DWI	AXIAL 2D EPI GRE/T2*	AXIAL T2 PROPELLER	AXIAL or CORONAL T2 FLAIR PROPELLER	AXIAL 2D SSFSE	AXIAL T1 FAST	AXIAL DWI-HB Option	AXIAL T2 FLAIR FAST
MATRIX freq	256	128	256	384	256	256	256	256	256
MATRIX phase	192	128	192	—	256	192	192	256	160
NEX	1	1	1	1	1	1	1	1	1
Phase FOV	1	1	1	1	1	0.8	0.75	1	0.8
Freq Direction	Unswap	R/L	A/P	A/P	S/I	A/P	A/P	A/P	A/P
Image Enhance	—	PURE	NONE	PURE	PURE	PURE	PURE	PURE	PURE
User CV	—	DIFF Dir-All #T2 images 1 Nex 1 for T2 B1000/1 Nex Opt TE On Dual SE On ACC=2 Ramp Samp 1 Recon 1 GRAD Opt 1	Ramp Samp 1-S ASSET	—	—	ACC=2	TRF FAST ASSET=1.75	Ramp Samp 1 RECON=1 GRAD Opt=1 INT REF=1 RG1	—

SCANNING RANGE

Scan Description	3PL LOCALIZER	AXIAL DWI	AXIAL 2D EPI GRE/T2*	AXIAL T2 PROPELLER	AXIAL or CORONAL T2 FLAIR PROPELLER	AXIAL 2D SSFSE	AXIAL T1 FAST	AXIAL DWI-HB Option	AXIAL T2 FLAIR FAST
FOV	30	24	24	22	22	22	22	22	22
Slice Thickness	7	5	3	5	5	4	5	5	4
Spacing	5	1	1	1	1	0	1	0.5	0.5
Number of Slices	7-Ax/Sag/Cor	24-26	34	24-26	24-26	—	24-26	24-26	30
Scan Time	0:44 sec	0:50 sec	0:23 sec	~1:30 min	~2:30 min	0:30 sec	1:30 min	0:40 sec	1:20 min

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.