ORBITS WITH/WITHOUT IV CONTRAST 3T R5.6

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Change patient into hospital issued gown and pants • 20- to 22-gauge IV access preferred • Hand inject
Position	Supine, head first
Coil	32 channel head coil
Landmark	Glabella

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate
Gadopiclenol (VUEWAY)	0.05 mmol/kg	1-2 mL/sec
Saline Flush	10-20 mL	1-2 mL/sec
Comments	• Axial coverage - inferior margin of orbital rim to superior margin of orbital rim, angled with orbital segments of the optic nerves • Coronal coverage - anterior margin of globe to anterior surface of pons, perpendicular to axis of the orbital segment of the optic nerves	

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 Philips Healthcare Systems
Central Nervous System

IMAGING FORUMS, INC.

INFO PAGE

Scan Description	Survey	SAGITTAL T1	AXIAL T1	AXIAL STIR	CORONAL T1	CORONAL T2	CORONAL STIR	Cisternogram	AXIAL 3D Brain Nerve View	Source DTI	AXIAL T1 +C mDIXON	CORONAL T1 +C mDIXON
Total scan duration	00:18.9	03:28.0	02:59.0	01:54.3	03:28.0	01:06.0	02:12.0	02:50.0	03:40.0	02:00.8	04:13.4	03:06.3
Rel. SNR	1	1	1	1	1	1	1	1	1	1	1	1
Act. TR (ms)	—	—	552	—	—	3000	—	2000	—	4923	737	722
Act. TR/TE (ms)	15 / 3.2	—	—	—	—	—	—	—	—	—	—	—
Act. TR/TI (ms)	—	2000 / 800	—	3810 / 200	2000 / 800	2000 / 800	3142 / 200	—	2200 / 250	—	—	—
Act. TE (ms)	—	20	12	15	20	80	15	225	170	68	10	10
ACQ matrix M x P	124 x 84	384 x 259	300 x 199	312 x 179	312 x 207	300 x 300	312 x 181	376 x 300	400 x 336	112 x 112	224 x 167	276 x 216
ACQ voxel MPS (mm)	2.02 / 2.98 / 10.0	0.57 / 0.85 / 4.00	0.60 / 0.90 / 3.00	0.58 / 1.01 / 3.00	0.58 / 0.87 / 3.00	0.60 / 0.60 / 3.00	0.58 / 0.99 / 3.00	0.40 / 0.50 / 1.00	0.60 / 0.60 / 2.00	2.00 / 2.00 / 3.00	0.80 / 1.08 / 3.00	0.65 / 0.83 / 3.00
REC voxel MPS (mm)	1.95 / 1.95 / 10.0	0.43 / 0.43 / 4.00	0.35 / 0.35 / 3.00	0.56 / 0.56 / 3.00	0.42 / 0.42 / 3.00	0.35 / 0.35 / 3.00	0.35 / 0.35 / 3.00	0.29 / 0.29 / 0.50	0.60 / 0.60 / 1.00	1.00 / 1.00 / 3.00	0.42 / 0.42 / 3.00	0.32 / 0.32 / 3.00
Scan percentage (%)	68	67	66	57	66	100	58	80	100	100	75	78
Packages	—	8	12	2	8	2	2	—	—	1	8	6
Min. slice gap (mm)	—	4	3	0.6	3	3	3	—	—	0	3	3
Act. slice gap (mm)	—	—	0.3	0.3	0.3	0.3	0.3	-0.5	-1	—	0.3	0.3
Optimal slices	—	6	4	—	6	—	—	—	—	—	6	8
EPI factor	—	—	—	—	—	—	—	—	—	45	—	—
TFE shots	2	—	—	—	—	—	—	—	—	—	—	—
TFE dur. shot / acq (ms)	701.6 / 630.0	—	—	—	—	—	—	—	—	—	—	—
TFE shot interval (ms)	701.6	—	—	—	—	—	—	—	—	—	—	—
Min. TI delay	375.1	—	—	—	—	—	—	—	—	—	—	—
Act. WFS (pix) / BW (Hz)	1.125 / 386.2	—	—	—	—	—	—	—	—	—	—	—
Min. WFS (pix) / Max. BW (Hz)	0.509 / 854.3	—	—	—	—	—	—	—	—	—	—	—
Min. TR/TE (ms)	6.3 / 3.2	—	—	—	—	—	—	—	—	—	—	—
WFS (pix) / BW (Hz)	—	2.469 / 176.0	1.689 / 257.2	2.928 / 148.4	2.472 / 175.7	1.991 / 218.2	2.873 / 151.2	1.581 / 274.7	1.487 / 292.1	13.193 / 32.9	0.607 / 715.4	1.295 / 335.5
BW in EPI freq. dir. (Hz)	—	—	—	—	—	—	—	—	—	1844.5	—	—
Full flow comp.	—	—	yes	—	—	—	—	—	—	—	yes	—
TSE es / shot (ms)	—	10.0 / 90	10.0 / 70	15.0 / 75	10.0 / 70	10.0 / 150	10.0 / 40	7.9 / 449	12.8 / 358	—	10.5 / 73	10.0 / 50
TEeff / TEequiv (ms)	—	20 / 19	—	15 / 15	20 / 19	80 / 72	15 / 15	225 / 198	170 / 85	—	—	—
Min. TR (ms)	—	—	552	—	—	2415	—	664	—	—	737	722
Min. TR/TI (ms)	—	1877 / 50	—	—	1816 / 50	—	—	—	1174 / 50	—	—	—
Local torso SAR	< 16 %	< 54 %	< 100 %	< 100 %	< 48 %	< 81 %	< 54 %	< 33 %	< 53 %	< 83 %	< 100 %	< 100 %
Whole body SAR / level	< 0.5 W/kg / normal	< 1.3 W/kg / normal	< 2.3 W/kg / 1st level	< 2.3 W/kg / 1st level	< 1.1 W/kg / normal	< 2.6 W/kg / 1st level	< 1.7 W/kg / normal	< 1.1 W/kg / normal	< 1.3 W/kg / normal	< 1.9 W/kg / normal	< 2.3 W/kg / 1st level	< 2.3 W/kg / 1st level
SED	0.0 kJ/kg	< 0.3 kJ/kg	< 0.4 kJ/kg	< 0.3 kJ/kg	< 0.2 kJ/kg	< 0.2 kJ/kg	< 0.2 kJ/kg	< 0.2 kJ/kg	< 0.3 kJ/kg	< 0.2 kJ/kg	< 0.6 kJ/kg	< 0.4 kJ/kg
Coil Power	—	26%	48%	48%	23%	77%	51%	32%	25%	39%	48%	48%
Max B1+rms	0.90 uT	1.19 uT	1.63 uT	1.62 uT	1.12 uT	2.05 uT	1.68 uT	1.32 uT	1.18 uT	1.47 uT	1.63 uT	1.62 uT
PNS / level	17 % / normal	31 % / normal	51 % / normal	36 % / normal	29 % / normal	39 % / normal	49 % / normal	62 % / normal	53 % / normal	86 % / 1st level	37 % / normal	32 % / normal
dB/dt	15.4 T/s	18.3 T/s	48.3 T/s	36.2 T/s	18.4 T/s	35.1 T/s	43.0 T/s	92.2 T/s	43.9 T/s	112.7 T/s	19.7 T/s	20.5 T/s
Sound Pressure Level (dB)	2.7	8.1	17.2	7.5	6.8	15.8	11.3	19.6	21.9	21.9	12.2	8.6

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 Philips Healthcare Systems
Central Nervous System

IMAGING FORUMS, INC.

GEOMETRY

Scan Description	Survey	SAGITTAL T1	AXIAL T1	AXIAL STIR	CORONAL T1	CORONAL T2	CORONAL STIR	Cisternogram	AXIAL 3D Brain Nerve View	Source DTI	AXIAL T1 +C mDIXON	CORONAL T1 +C mDIXON
SmartSelect	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Coil 1 (exclude)	—	None	None	None	None	None	None	None	None	None	None	None
Uniformity	—	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
FOV AP (mm)	250	220	180	180	79	92	79	150	240	224	180	79
FOV (mm)	(3) 50, (17) 10	—	—	—	—	—	—	—	—	—	—	—
FOV FH (mm)	250	220	79	79	180	180	180	40	75	150	79	180
FOV RL (mm)	—	119	180	180	180	180	180	150	202	224	180	180
ACQ voxel size AP (mm)	2	0.7	0.6	0.6	—	—	—	0.4	0.6	2	0.8	—
ACQ voxel size FH (mm)	2	0.6	—	—	0.6	0.6	0.6	1	2	—	—	0.6
ACQ voxel size RL (mm)	—	—	0.8	1	0.7	0.6	1	0.5	0.6	2	0.9	0.8
Slice thickness (mm)	10	4	3	3	3	3	3	—	—	3	3	3
Bar orientation	RL	—	—	—	—	—	—	—	—	—	—	—
VOI orientation	transverse	—	—	—	—	—	—	—	—	—	—	—
VOI size AP (mm)	30	—	—	—	—	—	—	—	—	—	—	—
VOI size FH (mm)	30	—	—	—	—	—	—	—	—	—	—	—
VOI size RL (mm)	30	—	—	—	—	—	—	—	—	—	—	—
Recon voxel size AP (mm)	2	0.4	0.4	0.6	—	—	—	0.3	0.6	1	0.4	—
Recon voxel size FH (mm)	2	0.4	—	—	0.4	0.4	0.4	0.5	1	—	—	0.3
Recon voxel size RL (mm)	—	—	0.4	0.6	0.4	0.4	0.4	0.3	0.6	1	0.4	0.3
Fold-over suppression	no	no	no	no	no	no	no	oversampling	oversampling	no	no	no
A (mm)	50	—	—	—	—	—	—	—	—	—	—	—
L (mm)	—	—	—	—	—	—	—	10	0	—	—	—
P (mm)	50	—	—	—	—	—	—	—	—	—	—	—
R (mm)	—	—	—	—	—	—	—	10	0	—	—	—
Slice oversampling	—	—	—	—	—	—	—	default	user defined	—	—	—
oversample factor	—	—	—	—	—	—	—	—	1.5	—	—	—
Reconstruction matrix	128	512	512	320	432	512	512	512	400	224	432	560
SENSE	no	no	no	no	no	no	no	no	no	yes	no	no
P reduction (AP)	—	—	—	—	—	—	—	—	—	2.5	—	—
MB SENSE	—	—	—	—	—	—	—	—	—	no	—	—
CS-SENSE	no	yes	yes	yes	yes	yes	yes	yes	yes	no	yes	yes
reduction	—	2.5	2.5	2.6	2.6	2	2.3	5	5.5	—	2.5	2.2
denoising	—	system default	system default	system default	system default	system default	system default	system default	system default	—	system default	system default
k-t Acceleration	no	no	no	no	no	no	no	no	no	no	no	no
Stacks	3	1	1	1	1	1	1	1	1	1	1	1
type	(20) parallel	parallel	parallel	parallel	parallel	parallel	parallel	—	—	parallel	parallel	parallel
Slices	(3) 3, (17) 1	24	24	24	24	28	24	80	75	50	24	24
slice gap	user defined	user defined	default	default	default	default	default	—	—	user defined	default	default
gap (mm)	(20) 10	1	—	—	—	—	—	—	—	0	—	—

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.

Slice orientation	sagittal, coronal, (18) transverse	sagittal	transverse	transverse	coronal	coronal	coronal	transverse	transverse	transverse	transverse	coronal
Fold-over direction	AP, (19) RL	AP	RL	RL	RL	RL	RL	RL	RL	AP	RL	RL
Fat shift direction	(2) F, (18) P	F	P	P	F	F	F	P	P	P	P	F
radial axis	AP, RL, AP, (17) RL	—	—	—	—	—	—	—	—	—	—	—
radial angle (deg)	(20) 0	—	—	—	—	—	—	—	—	—	—	—
Multi-chunk	—	—	—	—	—	—	—	no	no	—	—	—
Minimum number of packages	—	1	1	1	1	1	1	—	—	1	1	1
Slice scan order	default	default	default	default	default	default	default	—	—	default	default	default
Stack scan order	ascend	—	—	—	—	—	—	—	—	—	—	—
Move table per stack	no	—	—	—	—	—	—	—	—	—	—	—
O-MAR	—	no	no	no	no	no	no	no	no	—	no	no
Large table movement	no	no	no	no	no	no	no	no	no	no	no	no
Stack alignment	no	—	—	—	—	—	—	—	—	—	—	—
Stack sort order	no	—	—	—	—	—	—	—	—	—	—	—
PlanAlign	no	no	no	no	no	no	no	no	no	no	no	no
REST slabs	0	0	0	0	0	0	0	1	0	0	0	0
type	—	—	—	—	—	—	—	parallel	—	—	—	—
orientation	—	—	—	—	—	—	—	—	—	transverse	—	—
thickness (mm)	—	—	—	—	—	—	—	60	—	—	—	—
position	—	—	—	—	—	—	—	feet	—	—	—	—
gap	—	—	—	—	—	—	—	default	—	—	—	—
power	—	—	—	—	—	—	—	1	—	—	—	—
Patient position	head first	head first	head first	head first	head first	head first	head first	head first	head first	head first	head first	head first
Patient body position	head first	head first	head first	head first	head first	head first	head first	head first	head first	head first	head first	head first
Patient orientation	supine	supine	supine	supine	supine	supine	supine	supine	supine	supine	supine	supine
Patient body orientation	supine	supine	supine	supine	supine	supine	supine	supine	supine	supine	supine	supine

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 Philips Healthcare Systems
Central Nervous System

IMAGING FORUMS, INC.

CONTRAST

Scan Description	Survey	SAGITTAL T1	AXIALT1	AXIALSTIR	CORONALT1	CORONALT2	CORONALSTIR	Cisternogram	AXIAL3D Brain Nerve View	SourceDTI	AXIAL T1 +CmDIXON	CORONALT1 +CmDIXON
Scan type	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging
Scan mode	M2D	MS	MS	MS	MS	MS	MS	3D	3D	MS	MS	MS
technique	FFE	IR	SE	IR	IR	SE	IR	SE	IR	SE	SE	SE
Contrast enhancement	T1	—	—	—	—	—	—	—	—	—	—	—
Modified SE	—	—	no	—	—	no	—	no	—	no	no	no
Acquisition mode	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian
Fast Imaging mode	TFE	TSE	TSE	TSE	TSE	TSE	TSE	TSE	TSE	EPI	TSE	TSE
3D VIEW	—	—	—	—	—	—	—	no	Nerve STIR	—	—	—
shot mode	multishot	multishot	multishot	multishot	multishot	multishot	multishot	multishot	multishot	single-shot	multishot	multishot
TSE factor	—	9	7	5	7	15	4	56	26	—	7	5
TFE factor	42	—	—	—	—	—	—	—	—	—	—	—
TE spacing	—	user defined	user defined	—	user defined	—	user defined	—	—	—	shortest	user defined
(ms)	—	10	10	—	10	—	10	—	—	—	—	10
startup echoes	default	—	—	—	—	—	—	—	2	—	—	—
shot interval	shortest	—	—	—	—	—	—	—	—	—	—	—
profile order	linear	asymmetric	asymmetric	low_high	asymmetric	linear	asymmetric	linear	linear	—	asymmetric	asymmetric
turbo direction	—	—	—	—	—	—	—	Y	Y	—	—	—
DRIVE	—	no	no	no	no	no	no	yes	no	—	no	no
ultrashort	—	no	no	no	no	no	no	yes	—	—	no	no
fid reduction	—	default	default	default	default	default	default	default	strong	—	default	default
3D non-selective	—	—	—	—	—	—	—	yes	—	—	—	—
Echoes	1	1	1	1	1	1	1	1	1	1	1	1
partial echo	no	no	no	no	no	no	no	no	no	no	no	no
shifted echo	no	—	—	—	—	—	—	—	—	—	—	—
TE	shortest	user defined	user defined	user defined	user defined	user defined	user defined	shortest	user defined	shortest	shortest	shortest
(ms)	—	20	12	15	20	80	15	—	170	—	—	—
Flip angle (deg)	20	—	90	—	—	90	—	90	—	90	90	90
Refocusing control	—	constant	no	constant	constant	constant	constant	constant	—	—	no	no
angle (deg)	—	120	—	120	120	120	120	120	—	—	—	—
TR	user defined	user defined	range	shortest	user defined	user defined	shortest	user defined	user defined	shortest	range	range
(ms)	15	2000	—	—	2000	3000	—	2000	2200	—	—	—
minimum (ms)	—	—	400	—	—	—	—	—	—	—	400	400
maximum (ms)	—	—	650	—	—	—	—	—	—	—	750	750
Halfscan	no	no	no	no	no	no	no	no	yes	yes	no	no
factor	—	—	—	—	—	—	—	—	—	0.7	—	—
factor Y	—	—	—	—	—	—	—	—	0.9	—	—	—
factor Z	—	—	—	—	—	—	—	—	1	—	—	—
Water-fat shift	maximum	maximum	user defined	maximum	maximum	user defined	maximum	maximum	user defined	minimum	maximum	maximum

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.

(pixels)	—	—	2	—	—	2	—	—	1.5	—	—	—
IR delay (ms)	—	800	—	200	800	—	200	—	250	—	—	—
acquire during delay	—	yes	—	no	yes	—	no	—	—	—	—	—
dual	—	no	—	no	no	—	no	—	no	—	—	—
power	—	1	—	1	1	—	1	—	1	—	—	—
RF Shims	—	fixed	fixed	fixed	fixed	fixed	fixed	fixed	fixed	fixed	fixed	fixed
Shim	—	default	default	default	default	auto	default	default	default	PB-volume	default	default
ShimAlign	—	—	—	—	—	—	—	—	—	no	—	—
mDIXON	no	no	no	no	no	no	no	no	no	no	yes	yes
Fat suppression	no	no	no	no	no	no	no	no	no	SPIR	no	no
strength	—	—	—	—	—	—	—	—	—	strong	—	—
frequency offset	—	—	—	—	—	—	—	—	—	default	—	—
Grad Rev Fat suppr	—	—	—	—	—	—	—	—	—	no	—	—
Water suppression	no	no	no	no	no	no	no	no	no	no	no	no
BB pulse	—	no	no	no	no	no	no	no	MSDE	no	no	no
MSDE mode	—	—	—	—	—	—	—	—	user defined	—	—	—
refocusing pulses	—	—	—	—	—	—	—	—	2	—	—	—
refocusing type	—	—	—	—	—	—	—	—	adiabatic	—	—	—
TEprep	—	—	—	—	—	—	—	—	user defined	—	—	—
TFE prepulse	invert	—	—	—	—	—	—	—	—	—	—	—
slice selection	no	—	—	—	—	—	—	—	—	—	—	—
delay	shortest	—	—	—	—	—	—	—	—	—	—	—
PSIR	no	—	—	—	—	—	—	—	—	—	—	—
MTC	no	no	no	no	no	no	no	no	no	no	no	no
Diffusion mode	no	no	no	no	no	no	no	no	no	DTI	no	no
gradient overplus	—	—	—	—	—	—	—	—	—	yes	—	—
directional resolution	—	—	—	—	—	—	—	—	—	medium (15)	—	—
nr of b-factors	—	—	—	—	—	—	—	—	—	2	—	—
b-factor order	—	—	—	—	—	—	—	—	—	ascending	—	—
max b-factor	—	—	—	—	—	—	—	—	—	800	—	—
average high b	—	—	—	—	—	—	—	—	—	no	—	—
T1 mapping	no	no	no	no	no	no	no	no	no	no	no	no
SAR mode	high	high	high	high	high	high	high	high	high	high	high	high
B1 mode	default	user defined	default	default	user defined	default	default	default	default	default	user defined	user defined
amplitude (uT)	—	12	—	—	12	—	—	—	—	—	12	12
SAR allow first level	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Patient pregnancy	no	no	no	no	no	no	no	no	no	no	no	no
Patient WB SAR [W/kg]	—	—	—	—	—	—	—	—	—	—	—	—
Patient Head SAR [W/kg]	—	—	—	—	—	—	—	—	—	—	—	—
Patient max. dB/dt [T/s]	—	—	—	—	—	—	—	—	—	—	—	—
Max slewrate [T/m/s]	—	—	—	—	—	—	—	—	—	—	—	—
Max. B1+rms [uT]	—	—	—	—	—	—	—	—	—	—	—	—
PNS mode	low	low	low	low	low	low	low	high	low	high	low	low

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.

Gradient mode	regular	default	default	default	default	default	default	maximum	default	maximum	default	default
SofTone mode	no	user defined	no	no	user defined	no	no	no	no	no	user defined	user defined

MOTION

Scan Description	Survey	SAGITTAL T1	AXIAL T1	AXIAL STIR	CORONAL T1	CORONAL T2	CORONAL STIR	Cisternogram	AXIAL 3D Brain Nerve View	Source DTI	AXIAL T1 +C mDIXON	CORONAL T1 +C mDIXON
Cardiac synchronization	no	no	no	no	no	no	no	no	no	no	no	no
Respiratory compensation	no	no	no	no	no	no	no	no	no	no	no	no
Navigator respiratory comp	no	no	no	no	no	no	no	no	no	no	no	no
Flow compensation	no	no	yes	no	no	no	no	no	no	no	yes	no
direction	—	—	in-plane	—	—	—	—	—	—	—	in-plane	—
Temporal slice spacing	—	—	default	—	—	default	—	—	—	default	default	default
fMRI echo stabilisation	no	—	—	—	—	—	—	—	—	—	—	—
Motion smoothing	—	no	no	no	no	no	no	no	yes	—	no	yes
NSA	1	1	2	1	1	1	1	1	1	1	2	1
SMART	—	—	no	—	—	—	—	—	—	—	no	—
MRE enable	no	no	no	no	no	no	no	no	no	no	no	no

DYNAMIC ANGIO

Scan Description	Survey	SAGITTAL T1	AXIAL T1	AXIAL STIR	CORONAL T1	CORONAL T2	CORONAL STIR	Cisternogram	AXIAL 3D Brain Nerve View	Source DTI	AXIAL T1 +C mDIXON	CORONAL T1 +C mDIXON
Angio / Contrast enh.	no	—	—	—	—	—	—	—	—	—	—	—
Quantitative flow	no	—	—	—	—	—	—	—	—	—	—	—
CENTRA	—	—	—	—	—	—	—	no	no	—	—	—
Manual start	no	no	no	no	no	no	no	no	no	no	no	no
Dynamic study	no	no	no	no	no	no	no	no	no	no	no	no
dyn stabilization	—	—	—	—	—	—	—	—	—	regular	—	—
Arterial Spin labeling	no	no	no	no	no	no	no	no	no	no	no	no

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 Philips Healthcare Systems
Central Nervous System

IMAGING FORUMS, INC.

POST PROCESSING

Scan Description	Survey	SAGITTAL T1	AXIAL T1	AXIAL STIR	CORONAL T1	CORONAL T2	CORONAL STIR	Cisternogram	AXIAL 3D Brain Nerve View	Source DTI	AXIAL T1 +C mDIXON	CORONAL T1 +C mDIXON
Preparation phases	—	auto	auto	auto	auto	full	auto	auto	auto	auto	auto	auto
Interactive F0	no	no	no	no	no	select	no	no	no	no	no	no
Quick Survey	default	default	default	default	default	default	default	default	default	default	default	default
B0 field map	no	no	no	no	no	no	no	no	no	no	no	no
MIP/MPR	no	no	no	no	no	no	no	no	no	no	no	no
SWIp	no	—	—	—	—	—	—	—	—	—	—	—
mDIXON images	—	—	—	—	—	—	—	—	—	—	water, (5) no	water, (5) no
Images	M, (3) no	M, (3) no	M, (3) no	M, (3) no	M, (3) no	M, (3) no	M, (3) no	M, (3) no	M, (3) no	M, (3) no	—	—
Autoview image	M	M	M	M	M	no	M	M	M	M	—	—
Calculated images	(4) no	—	(4) no	—	—	(4) no	—	(4) no	—	(4) no	—	—
Reference tissue	White matter	Grey matter	Grey matter	Grey matter	Grey matter	Grey matter	Grey matter	Grey matter	Grey matter	Grey matter	Grey matter	Grey matter
Recon compression	No	No	No	No	No	No	No	High	No	No	No	No
Preset window contrast	soft	soft	soft	soft	soft	soft	soft	soft	soft	soft	soft	soft
Reconstruction mode	immediate	real time	real time	real time	real time	real time	real time	real time	real time	immediate	real time	real time
Save raw data	no	no	no	no	no	no	no	no	no	no	no	no
Hardcopy protocol	no	no	no	no	no	no	no	no	no	no	no	no
Image filter	system default	system default	system default	system default	system default	system default	system default	system default	system default	system default	system default	system default
Uniformity correction	no	no	no	no	no	no	no	no	no	no	no	no
Geometry correction	default	default	default	default	default	default	default	default	default	default	default	default
Elliptical k-space shutter	—	—	—	—	—	—	—	default	default	—	—	—
EPI geometry correction	—	—	—	—	—	—	—	—	—	no	—	—
ADC correction	—	—	—	—	—	—	—	—	—	no	—	—
Free rotatable	no	no	no	no	no	no	no	no	no	no	no	no
IF_info_seperator	0	0	1634755923	1634755923	0	1634755923	1634755923	1634755923	1634755923	0	0	0

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.