NECK SOFT TISSUE WITH/WITHOUT IV CONTRAST 3T R5.6

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Change patient into hospital issued gown and pants • Place MRI marker over area of interest • Power injection
Position	Supine, head first
Coil	Neurovascular coil, or integrated head-neck-spine coil
Landmark	Chin

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate	Dose Timing Method and Scan Delay
Gadopiclenol (VUEWAY)	0.05 mmol/kg	5 mL/sec	Axial 3D Dyn is run with half the dose of VUEWAY power injected with a 15 second inject delay Perfusion is run with remaining VUEWAY with 15 second inject delay
Saline Flush	20 mL	5 mL/sec	20 mL saline after each power injection
Comments	Report agent administered and dose		

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MR Gadopiclenol (VUEWAY®) Protocol for Philips Healthcare Systems
Central Nervous System

IMAGING FORUMS, INC.

INFO PAGE

Scan Description	Loc	AXIAL T1	AXIAL T2 mDIXON	CORONAL T1	CORONAL STIR	AXIAL EPI b500	AXIAL 3D Dyn 2 deg	AXIAL 3D Dyn 5 deg	AXIAL 3D Dyn 10 deg	AXIAL 3D Dyn	FE EPI--ASFNR Perfusion	AXIAL 3D Venous	AXIAL 3D Del Fat Sat mDIXON	CORONAL 3D Del Fat Sat mDIXON
Total scan duration	00:39.2	05:00.3	07:18.6	04:48.4	05:16.1	02:19.7	00:06.9	00:06.9	00:07.4	02:58.3	02:28.8	01:35.8	01:35.2	01:45.1
Rel. SNR	3	1	1	2	4	2	1	1	1	1	3	1	1	1
Act. TR (ms)	—	567	3225	515	—	4817	—	—	—	—	—	—	—	—
Act. TR/TE (ms)	36 / 1.49	—	—	—	—	—	2.8 / 1.28	2.8 / 1.28	2.8 / 1.28	2.8 / 1.28	1600 / 25	3.7 / 1.79	—	—
Act. TR/TI (ms)	—	—	—	—	3592 / 200	—	—	—	—	—	—	—	—	—
Act. TR/TE1/TE2 (ms)	—	—	—	—	—	—	—	—	—	—	—	—	5.2 / 1.93 / 3.4	6.0 / 1.93 / 3.4
Act. TE (ms)	—	7.8	100	7.8	15	70	—	—	—	—	—	—	—	—
Dyn. scan time	—	—	—	—	—	—	00:06.9	00:06.9	00:07.4	00:05.9	00:01.6	01:35.8	—	—
Time to k0	—	—	—	—	—	—	00:05.8	00:05.8	00:06.2	00:04.7	12:00.0	00:29.7	00:27.4	00:30.2
ACQ matrix M x P	256 x 179	240 x 223	224 x 162	268 x 250	252 x 171	120 x 118	112 x 125	112 x 125	112 x 125	112 x 125	112 x 112	224 x 398	200 x 200	200 x 200
ACQ voxel MPS (mm)	1.17 / 1.67 / 10.0	0.75 / 0.81 / 3.00	0.80 / 1.11 / 3.00	0.75 / 0.80 / 4.00	0.79 / 1.17 / 4.00	1.50 / 1.53 / 3.00	1.96 / 2.00 / 5.00	1.96 / 2.00 / 5.00	1.96 / 2.00 / 5.00	1.96 / 2.00 / 5.00	2.00 / 2.00 / 4.00	1.00 / 0.64 / 3.00	0.90 / 0.90 / 3.00	0.90 / 0.90 / 3.00
REC voxel MPS (mm)	1.17 / 1.17 / 10.0	0.38 / 0.38 / 3.00	0.63 / 0.63 / 3.00	0.39 / 0.39 / 4.00	0.39 / 0.39 / 4.00	0.80 / 0.80 / 3.00	0.74 / 0.74 / 2.50	0.74 / 0.74 / 2.50	0.74 / 0.74 / 2.50	0.74 / 0.74 / 2.50	1.75 / 1.75 / 4.00	0.59 / 0.59 / 1.50	0.63 / 0.63 / 1.50	0.63 / 0.63 / 1.50
Scan percentage (%)	70	93	72	93	68	98	98	98	98	98	100	156	100	100
Packages	3	10	8	7	4	1	—	—	—	—	1	—	—	—
Min. slice gap (mm)	0	3	3	4	0.8	0	—	—	—	—	0	—	—	—
Act. slice gap (mm)	—	0.3	—	—	—	—	-2.5	-2.5	-2.5	-2.5	—	-1.5	-1.5	-1.5
Optimal slices	—	12	16	10	8	—	—	—	—	—	—	—	—	—
Max. slices	—	—	64	35	—	—	—	—	—	—	—	—	—	—
EPI factor	—	—	—	—	—	55	—	—	—	—	49	—	—	—
TFE shots	—	—	—	—	—	—	117	117	117	117	—	388	—	—
TFE dur. shot / acq (ms)	—	—	—	—	—	—	41.0 / 16.9	41.0 / 16.9	42.7 / 16.9	42.7 / 16.9	—	243.1 / 216.5	—	—
TFE shot interval (ms)	—	—	—	—	—	—	46.2	46.2	50.4	50.4	—	243.1	—	—
Act. WFS (pix) / BW (Hz)	1.935 / 224.5	—	—	—	—	—	0.502 / 865.1	0.502 / 865.1	0.502 / 865.1	0.502 / 865.1	14.001 / 31.0	0.584 / 744.0	0.507 / 856.2	0.507 / 856.2
BW in EPI freq. dir. (Hz)	—	—	—	—	—	—	—	—	—	—	1901.1	—	—	—
Min. WFS (pix) / Max. BW (Hz)	0.561 / 775.0	—	—	—	—	—	0.234 / 1860.1	0.234 / 1860.1	0.234 / 1860.1	0.234 / 1860.1	13.959 / 31.1	0.452 / 962.1	0.507 / 856.2	0.507 / 856.2
Min. TR/TE (ms)	—	—	—	—	—	—	—	—	—	—	1541 / 17	—	—	—
SPAIR offset act./default (Hz)	—	—	—	—	—	—	200 [220]	200 [220]	200 [220]	200 [220]	—	200 [220]	—	—
WFS (pix) / BW (Hz)	—	1.576 / 275.6	1.238 / 351.0	1.663 / 261.3	2.995 / 145.0	20.015 / 21.7	—	—	—	—	—	—	—	—
BW in EPI freq. dir. (Hz)	—	—	—	—	—	1420.7	—	—	—	—	—	—	—	—
TSE es / shot (ms)	—	7.8 / 39	8.3 / 192	7.8 / 39	15.0 / 105	—	—	—	—	—	—	—	—	—
TEeff / TEequiv (ms)	—	8 / 8	100 / 82	8 / 8	15 / 15	—	—	—	—	—	—	—	—	—
Min. TR (ms)	—	567	3225	515	—	—	—	—	—	—	—	—	—	—
Min. TR/TI (ms)	—	—	—	—	3592 / 50	—	—	—	—	—	—	—	—	—
Local torso SAR	< 68 %	< 100 %	< 100 %	< 100 %	< 100 %	< 89 %	< 98 %	< 98 %	< 100 %	< 100 %	< 29 %	< 54 %	< 41 %	< 35 %
Whole body SAR / level	< 2.2 W/kg / 1st level	< 2.1 W/kg / 1st level	< 2.3 W/kg / 1st level	< 2.0 W/kg / normal	< 2.0 W/kg / normal	< 1.7 W/kg / normal	< 3.1 W/kg / 1st level	< 3.1 W/kg / 1st level	< 3.2 W/kg / 1st level	< 3.2 W/kg / 1st level	< 0.9 W/kg / normal	< 1.6 W/kg / normal	< 0.8 W/kg / normal	< 0.7 W/kg / normal

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MR Gadopiclenol (VUEWAY®) Protocol for Philips Healthcare Systems
Central Nervous System

SED	< 0.1 kJ/kg	< 0.6 kJ/kg	< 1.0 kJ/kg	< 0.6 kJ/kg	< 0.6 kJ/kg	< 0.2 kJ/kg	0.0 kJ/kg	0.0 kJ/kg	0.0 kJ/kg	< 0.6 kJ/kg	< 0.1 kJ/kg	< 0.2 kJ/kg	< 0.1 kJ/kg	< 0.1 kJ/kg
Coil Power	—	43%	48%	40%	40%	35%	94%	94%	96%	96%	28%	47%	16%	14%
Max B1+rms	1.88 uT	1.54 uT	1.63 uT	1.48 uT	1.47 uT	1.39 uT	2.26 uT	2.26 uT	2.29 uT	2.29 uT	1.24 uT	1.61 uT	0.94 uT	0.88 uT
PNS / level	57 % / normal	48 % / normal	50 % / normal	48 % / normal	35 % / normal	97 % / 1st level	75 % / normal	75 % / normal	75 % / normal	75 % / normal	84 % / 1st level	86 % / 1st level	91 % / 1st level	69 % / normal
dB/dt	47.4 T/s	42.3 T/s	46.8 T/s	43.5 T/s	34.5 T/s	112.2 T/s	113.2 T/s	113.2 T/s	113.2 T/s	113.2 T/s	124.8 T/s	84.4 T/s	88.8 T/s	86.7 T/s
Sound Pressure Level (dB)	24.5	14.5	21.5	14	8.4	22.8	26.8	26.8	26.5	26.5	24.4	25.7	26.6	23.9

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Central Nervous System

IMAGING FORUMS, INC.

GEOMETRY

Scan Description	Loc	AXIAL T1	AXIAL T2 mDIXON	CORONAL T1	CORONAL STIR	AXIAL EPI b500	AXIAL 3D Dyn 2 deg	AXIAL 3D Dyn 5 deg	AXIAL 3D Dyn 10 deg	AXIAL 3D Dyn	FE EPI--ASFNR Perfusion	AXIAL 3D Venous	AXIAL 3D Del Fat Sat mDIXON	CORONAL 3D Del Fat Sat mDIXON
SmartSelect	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Uniformity	—	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
FOV AP (mm)	—	180	180	159	159	180	250	250	250	250	224	256	180	210
FOV FH (mm)	300	198	198	200	200	175	70	70	70	70	116	209	233	180
FOV RL (mm)	300	180	180	200	200	180	220	220	220	220	224	225	180	180
FOV (mm)	76, 110, 90, (17) 250	—	—	—	—	—	—	—	—	—	—	—	—	—
ACQ voxel size AP (mm)	—	1	1	—	—	1.5	2	2	2	2	2	1	1	3
ACQ voxel size FH (mm)	1	—	—	1	1	—	5	5	5	5	—	3	3	1
ACQ voxel size RL (mm)	2	1	1	1	1	1.5	2	2	2	2	2	1	1	1
Slice thickness (mm)	10	3	3		4	3	—	—	—	—	4	—	—	—
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)	—	0	1	—	—	1	1	1	1	1	2	1	1	2
Recon voxel size FH (mm)	1	—	—	0	0	—	2.5	3	3	3	—	2	2	1
Recon voxel size RL (mm)	1	0	0.6	0	0	1	1	1	1	1	2	1	1	1
Fold-over suppression	oversampling	oversampling	oversampling	oversampling	oversampling	oversampling	no	no	no	no	no	oversampling	no	no
A (mm)	—	—	—	—	—	45	—	—	—	—	—	2.1	—	—
L (mm)	150	90	90	100	100	—	—	—	—	—	—	—	—	—
P (mm)	—	—	—	—	—	25	—	—	—	—	—	1.3	—	—
R (mm)	150	90	90	100	100	—	—	—	—	—	—	—	—	—
Slice oversampling	—	—	—	—	—	—	user defined	user defined	user defined	user defined	—	user defined	default	default
oversample factor	—	—	—	—	—	—	1.2	1.2	1.2	1.2	—	1.2	—	—
ENCASE enable	—	—	—	—	—	—	no	no	no	no	—	no	no	no
Reconstruction matrix	256	480	288	512	512	224	336	336	336	336	128	432	288	288
SENSE	no	no	no	no	no	yes	yes	yes	yes	yes	yes	yes	no	no
P reduction (AP)	—	—	—	—	—	3	2	2	2	2	2.3	1.5	—	—
S reduction (FH)	—	—	—	—	—	—	1	1	1	1	—	1	—	—
MB SENSE	—	—	—	—	—	no	—	—	—	—	no	—	—	—
CS-SENSE	no	yes	yes	yes	yes	no	no	no	no	no	no	no	yes	yes
reduction	—	1.8	1.8	1.3	2.4	—	—	—	—	—	—	—	2.5	2.5
denoising	—	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	no	no
Stacks	3	1	1	1	1	1	1	1	1	1	1	1	1	1
type	(20) parallel	parallel	parallel	parallel	parallel	parallel	—	—	—	—	parallel	—	—	—
Slices	7, 6, 5, (17) 1	60	60	32	32	44	28	28	28	28	29	139	155	140

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slice gap	user defined	default	user defined	user defined	user defined	user defined	—	—	—	—	user defined	—	—	—
gap (mm)	1, (19) 10	—	0.3	1	1	1	—	—	—	—	0	—	—	—
Slice orientation	coronal, transverse, sagittal, (17) transverse	transverse	transverse	coronal	coronal	transverse	transverse	transverse	transverse	transverse	transverse	transverse	transverse	coronal
Fold-over direction	(2) RL, (18) AP	RL	RL	RL	RL	AP	AP	AP	AP	AP	AP	AP	AP	RL
Fat shift direction	F, P, F, (17) L	P	P	F	F	P	L	L	L	L	P	L	L	F
radial axis	RL, (2) AP, (17) RL	—	—	—	—	—	—	—	—	—	—	—	—	—
radial angle (deg)	(20) 0	—	—	—	—	—	—	—	—	—	—	—	—	—
Stacks as packages	yes	—	—	—	—	—	—	—	—	—	—	—	—	—
Multi-chunk	—	—	—	—	—	—	no	no	no	no	—	no	no	no
Minimum number of packages	1	1	1	1	1	1	—	—	—	—	1	—	—	—
Slice scan order	default	default	default	default	default	default	—	—	—	—	FH	—	—	—
Stack scan order	ascend	—	—	—	—	—	—	—	—	—	—	—	—	—
Move table per stack	no	—	—	—	—	—	—	—	—	—	—	—	—	—
O-MAR	—	no	no	no	no	—	—	—	—	—	—	—	—	—
Large table movement	no	no	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	yes	yes	yes	yes	no	no	no	no
REST slabs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
orientation	—	—	—	—	—	transverse	transverse	transverse	transverse	transverse	—	—	transverse	coronal
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	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	head first	head first
Patient orientation	supine	supine	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	supine	supine

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Central Nervous System

IMAGING FORUMS, INC.

CONTRAST

Scan Description	Loc	AXIALT1	AXIAL T2mDIXON	CORONALT1	CORONALSTIR	AXIALEPI b500	AXIAL3D Dyn 2 deg	AXIAL3D Dyn 5 deg	AXIAL3D Dyn 10 deg	AXIAL3D Dyn	FE EPI--ASFNR Perfusion	AXIAL3D Venous	AXIAL3D Del Fat SatmDIXON	CORONAL3D Del Fat SatmDIXON
Scan type	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging	Imaging
Scan mode	MS	MS	MS	MS	MS	MS	3D	3D	3D	3D	MS	3D	3D	3D
technique	FFE	SE	SE	SE	IR	SE	FFE	FFE	FFE	FFE	FFE	FFE	FFE	FFE
3D non-selective	—	—	—	—	—	—	no	no	no	no	—	no	no	no
Contrast enhancement	no	—	—	—	—	—	T1	T1	T1	T1	no	T1	T1	T1
Modified SE	—	no	no	no	—	no	—	—	—	—	—	—	—	—
Acquisition mode	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian	cartesian
Fast Imaging mode	none	TSE	TSE	TSE	TSE	EPI	TFE	TFE	TFE	TFE	EPI	TFE	none	none
shot mode	—	multishot	multishot	multishot	multishot	single-shot	multishot	multishot	multishot	multishot	single-shot	multishot	—	—
TSE factor	—	5	23	5	7	—	—	—	—	—	—	—	—	—
TFE factor	—	—	—	—	—	—	6	6	6	6	—	58	—	—
startup echoes	—	—	—	—	—	—	user defined	user defined	user defined	user defined	—	user defined	—	—
(number)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
shot interval	—	—	—	—	—	—	shortest	shortest	shortest	shortest	—	shortest	—	—
profile order	—	low_high	linear	low_high	low_high	—	linear	linear	linear	linear	—	linear	—	—
turbo direction	—	—	—	—	—	—	Z	Z	Z	Z	—	Z	—	—
DRIVE	—	no	no	no	no	—	—	—	—	—	—	—	—	—
ultrashort	—	yes	no	yes	no	—	—	—	—	—	—	—	—	—
fid reduction	—	default	default	default	default	—	—	—	—	—	—	—	—	—
Echoes	1	1	1	1	1	1	1	1	1	1	1	1	2	2
partial echo	yes	no	no	no	no	no	no	no	no	no	no	no	no	no
shifted echo	no	—	—	—	—	—	no	no	no	no	no	no	no	no
TE/TE first	shortest	shortest	user defined	shortest	user defined	shortest	shortest	shortest	shortest	shortest	user defined	shortest	shortest	shortest
TE second	—	—	—	—	—	—	—	—	—	—	—	—	shortest	shortest
(ms)	—	—	100	—	15	—	—	—	—	—	25	—	—	—
flyback	—	—	—	—	—	—	—	—	—	—	—	—	no	no
Flip angle (deg)	45	90	90	90	—	90	2	2	10	10	60	10	10	10
Refocusing control	—	constant	constant	constant	constant	—	—	—	—	—	—	—	—	—
angle (deg)	—	100	105	100	120	—	—	—	—	—	—	—	—	—
TR	shortest	range	range	range	range	shortest	shortest	shortest	shortest	shortest	user defined	shortest	shortest	shortest
(ms)	—	—	—	—	—	—	—	—	—	—	1600	—	—	—
minimum (ms)	—	400	2500	400	2500	—	—	—	—	—	—	—	—	—
maximum (ms)	—	600	3500	600	4500	—	—	—	—	—	—	—	—	—
Halfscan	no	no	no	no	no	yes	yes	yes	yes	yes	no	yes	yes	yes
factor	—	—	—	—	—	0.8	—	—	—	—	—	—	—	—
factor Y	—	—	—	—	—	—	0.6	0.6	0.6	0.6	—	0.7	0.7	0.7
factor Z	—	—	—	—	—	—	1	1	1	1	—	0.7	0.8	0.8
Water-fat shift	maximum	maximum	maximum	maximum	maximum	minimum	user defined	user defined	user defined	user defined	minimum	user defined	minimum	minimum
(pixels)	—	—	—	—	—	—	0.5	0.5	0.5	0.5	—	0.6	—	—

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IR delay (ms)	—	—	—	—	200	—	—	—	—	—	—	—	—	—
acquire during delay	—	—	—	—	no	—	—	—	—	—	—	—	—	—
dual	—	—	—	—	no	—	—	—	—	—	—	—	—	—
power	—	—	—	—	1	—	—	—	—	—	—	—	—	—
RF Shims	—	adaptive	fixed	adaptive	adaptive	adaptive	fixed	fixed	fixed	fixed	fixed	adaptive	adaptive	adaptive
Shim	—	default	default	default	default	PB-volume	volume	volume	volume	volume	auto	auto	volume	volume
ShimAlign	—	—	—	—	—	no	no	no	no	no	—	—	no	no
mDIXON	no	no	yes	no	no	no	no	no	no	no	no	no	yes	yes
Fat suppression	no	no	no	no	no	SPIR	SPAIR	SPAIR	SPAIR	SPAIR	SPIR	SPAIR	no	no
strength	—	—	—	—	—	strong	—	—	—	—	strong	—	—	—
power	—	—	—	—	—	—	1	1	1	1	—	1	—	—
inversion delay	—	—	—	—	—	—	auto	auto	auto	auto	—	auto	—	—
suppr. level	—	—	—	—	—	—	strong	strong	strong	strong	—	strong	—	—
frequency offset	—	—	—	—	—	default	user defined	user defined	user defined	user defined	default	user defined	—	—
offset (Hz)	—	—	—	—	—	—	200	200	200	200	—	200	—	—
Grad Rev Fat suppr	—	—	—	—	—	no	—	—	—	—	—	—	—	—
Water suppression	no	no	no	no	no	no	no	no	no	no	no	no	no	no
BB pulse	—	no	no	no	no	no	—	—	—	—	—	—	—	—
TFE prepulse	—	—	—	—	—	—	no	no	no	no	—	no	—	—
MTC	no	no	no	no	no	no	no	no	no	no	no	no	no	no
Diffusion mode	no	no	no	no	no	DWI	no	no	no	no	no	no	no	no
gradient overplus	—	—	—	—	—	yes	—	—	—	—	—	—	—	—
nr of b-factors	—	—	—	—	—	2	—	—	—	—	—	—	—	—
b-factor order	—	—	—	—	—	user defined	—	—	—	—	—	—	—	—
b-factors	—	—	—	—	—	0, 500, (1022) 0	—	—	—	—	—	—	—	—
average high b	—	—	—	—	—	yes	—	—	—	—	—	—	—	—
T1 mapping	no	no	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	high	high
B1 mode	user defined	user defined	default	user defined	default	default	default	default	default	default	default	default	default	default
amplitude (uT)	7.5	10	—	10	—	—	—	—	—	—	—	—	—	—
SAR allow first level	yes	yes	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	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	high	high	high	high	high	high	high	high	high
Gradient mode	default	default	default	default	default	maximum	maximum	maximum	maximum	maximum	maximum	maximum	maximum	maximum
SofTone mode	no	no	no	no	no	no	no	no	no	no	no	no	no	no

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MR Gadopiclenol (VUEWAY®) Protocol for Philips Healthcare Systems
Central Nervous System

IMAGING FORUMS, INC.

MOTION

Scan Description	Loc	AXIAL T1	AXIAL T2 mDIXON	CORONAL T1	CORONAL STIR	AXIAL EPI b500	AXIAL 3D Dyn 2 deg	AXIAL 3D Dyn 5 deg	AXIAL 3D Dyn 10 deg	AXIAL 3D Dyn	FE EPI--ASFNR Perfusion	AXIAL 3D Venous	AXIAL 3D Del Fat Sat mDIXON	CORONAL 3D Del Fat Sat mDIXON
Cardiac synchronization	no	no	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	no
Navigator respiratory comp	no	no	no	no	no	no	no	no	no	no	no	no	no	no
Flow compensation	no	no	no	no	no	no	no	no	no	no	no	no	no	no
Temporal slice spacing	default	default	default	default	no	default	—	—	—	—	default	—	—	—
fMRI echo stabilisation	no	—	—	—	—	—	no	no	no	no	no	no	no	no
Motion smoothing	—	yes	yes	yes	no	—	—	—	—	—	—	—	—	—
NSA	1	1	1	1	1	4	1	1	1	1	1	1	4	4
SMART	—	—	—	—	—	no	—	—	—	—	—	—	no	no
MRE enable	no	no	no	no	no	no	no	no	no	no	no	no	no	no

DYNAMIC ANGIO

Scan Description	Loc	AXIAL T1	AXIAL T2 mDIXON	CORONAL T1	CORONAL STIR	AXIAL EPI b500	AXIAL 3D Dyn 2 deg	AXIAL 3D Dyn 5 deg	AXIAL 3D Dyn 10 deg	AXIAL 3D Dyn	FE EPI--ASFNR Perfusion	AXIAL 3D Venous	AXIAL 3D Del Fat Sat mDIXON	CORONAL 3D Del Fat Sat mDIXON
Angio / Contrast enh.	no	—	—	—	—	—	no	no	no	no	no	contrast enh.	contrast enh.	contrast enh.
Quantitative flow	no	—	—	—	—	—	no	no	no	no	no	no	no	no
CENTRA	—	—	—	—	—	—	no	no	no	no	—	—	—	—
CE profile order	—	—	—	—	—	—	—	—	—	—	—	linear	linear	linear
Manual start	no	no	no	no	no	no	yes	yes	yes	yes	yes	no	no	no
Dynamic study	no	no	no	no	no	no	individual	individual	individual	individual	individual	individual	no	no
dyn scans	—	—	—	—	—	—	1	1	1	30	90	1	—	—
dyn scan times	—	—	—	—	—	—	shortest	shortest	shortest	shortest	shortest	manual	—	—
fov time mode	—	—	—	—	—	—	default	default	default	default	default	—	—	—
dummy scans	—	—	—	—	—	—	0	0	0	0	0	0	—	—
immediate subtraction	—	—	—	—	—	—	—	—	—	no	no	—	—	—
fast next scan	—	—	—	—	—	—	no	no	no	no	no	no	—	—
synch. ext. device	—	—	—	—	—	—	—	—	—	no	no	—	—	—
dyn stabilization	—	—	—	—	—	—	no	no	no	no	no	no	—	—
prospect. motion corr.	—	—	—	—	—	—	no	no	no	no	no	no	—	—
Keyhole	—	—	—	—	—	—	no	no	no	no	no	no	—	—
Arterial Spin labeling	no	no	no	no	no	no	no	no	no	no	no	no	no	no

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IMAGING FORUMS, INC.

POST PROCESSING

Scan Description	Loc	AXIAL T1	AXIAL T2 mDIXON	CORONAL T1	CORONAL STIR	AXIAL EPI b500	AXIAL 3D Dyn 2 deg	AXIAL 3D Dyn 5 deg	AXIAL 3D Dyn 10 deg	AXIAL 3D Dyn	FE EPI--ASFNR Perfusion	AXIAL 3D Venous	AXIAL 3D Del Fat Sat mDIXON	CORONAL 3D Del Fat Sat mDIXON
Preparation phases	—	auto	auto	auto	auto	auto	auto	auto	auto	auto	auto	auto	auto	auto
Interactive F0	no	no	no	no	no	no	no	no	no	no	no	no	no	no
Quick Survey	default	default	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	no	no
MIP/MPR	no	no	no	no	no	no	no	no	no	no	no	no	no	no
SWIp	no	—	—	—	—	—	no	no	no	no	no	no	no	no
mDIXON images	—	—	IP, water, (4) no	—	—	—	—	—	—	—	—	—	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	M, (3) no	—	—
Autoview image	M	M	—	M	M	M	M	M	M	M	M	M	—	—
Calculated images	(4) no	(4) no	—	(4) no	—	(4) no	(4) no	(4) no	(4) no	(4) no	(4) no	(4) no	—	—
Reference tissue	Skeletal muscle	Skeletal muscle	Skeletal muscle	Skeletal muscle	Grey matter	Grey matter	Liver	Liver	Liver	Liver	Grey matter	Lung	Lung	Lung
Recon compression	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Preset window contrast	soft	hard	soft	hard	soft	soft	soft	soft	soft	soft	soft	soft	soft	soft
Reconstruction mode	immediate	real time	immediate	real time	real time	real time	real time	real time	real time	real time	real time	real time	real time	real time
reuse memory	—	—	—	—	—	—	no	no	no	no	no	no	—	—
Save raw data	no	no	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	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	system default	system default
Uniformity correction	no	no	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	default	default
Elliptical k-space shutter	—	—	—	—	—	—	default	default	default	default	—	no	default	default
EPI geometry correction	—	—	—	—	—	no	—	—	—	—	no	—	—	—
ADC correction	—	—	—	—	—	no	—	—	—	—	—	—	—	—
Free rotatable	no	no	no	no	no	no	no	no	no	no	no	no	no	no
IF_info_seperator	0	1634755923	1634755923	1634755923	1634755923	0	1634755923	1634755923	1634755923	1634755923	1634755923	1634755923	1634755923	1634755923

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