COMPREHENSIVE BRAIN 3T R5.6

INSTRUCTIONS AND PATIENT PREPARATION

Instructions	• Contrast is used for assessment of the blood-brain barrier, infection, tumor, and some stroke evaluation • No patient preparation
Position	Supine, head first
Coil	SENSE-Head-8 channel coil preferred
Landmark	Glabella

CONTRAST AGENT PARAMETERS

Contrast Agent	Dose	Injection Rate	Dose Timing Method and Scan Delay
Gadopiclenol (VUEWAY)	0.05 mmol/kg	5 mL/sec	Hand bolus
Saline Flush	20 mL	5 mL/sec	Hand bolus
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	Survey	DWI	AXIAL T2 TSE	AXIAL SWIp	Survey PCA for label placement	AXIAL 3D FFE SPGR T1 Pre	5 Hour PERFUSION PRESTO	AXIAL 3D T1 +Gd	AXIAL 3D FLAIR +Gd	AXIAL 3D T1 TSE +Gd	AXIAL 3D FFE SPGR T1 +Gd
Total scan duration	00:31.4	00:44.8	00:37.4	01:08.0	00:20.6	02:06.0	01:37.7	02:23.8	01:40.8	01:27.0	02:06.0
Rel. SNR	1	1	1	1	1	0	1	2	0	1	0
Act. TR(ms)	—	3732	3120	—	—	—	—	—	—	600	—
Act. TE(ms)	—	91	80	—	—	—	—	—	347	35	—
Act. TR/TE(ms)	11 / 4.6	—	—	—	20 / 5.6	25 / 2.6	24 / 35	23 / 2.3	—	—	25 / 2.6
Act. TR/TI(ms)	—	—	—	—	—	—	—	—	4800 / 1650	—	—
Act. TR/TE1/delta TE(ms)	—	—	—	31 / 7.2 / 6.2	—	—	—	—	—	—	—
Dyn. scan time	—	—	—	—	—	—	00:01.9	—	—	—	—
Time to k0	—	—	—	—	—	—	0.954	—	—	—	—
ACQ matrix M x P	268 x 128	152 x 122	404 x 238	288 x 240	256 x 128	268 x 267	100 x 100	232 x 232	268 x 268	244 x 244	268 x 267
ACQ voxel MPS (mm)	0.97 / 2.03 / 10.0	1.51 / 1.88 / 4.00	0.57 / 0.76 / 5.00	0.80 / 0.80 / 2.50	1.17 / 2.34 / 50.0	0.90 / 0.90 / 1.80	2.00 / 2.00 / 3.00	0.99 / 0.99 / 3.00	0.90 / 0.90 / 1.80	0.90 / 0.90 / 1.80	0.90 / 0.90 / 1.80
REC voxel MPS (mm)	0.90 / 0.90 / 10.0	1.20 / 1.20 / 4.00	0.45 / 0.45 / 5.00	0.45 / 0.45 / 1.25	1.17 / 1.17 / 50.0	0.71 / 0.71 / 0.90	1.79 / 1.79 / 3.00	0.72 / 0.72 / 3.00	0.83 / 0.83 / 0.90	0.38 / 0.38 / 0.90	0.71 / 0.71 / 0.90
Scan percentage (%)	48	80	75	100	50	100	100	100	100	100	100
Packages	—	1	2	—	—	—	—	—	—	—	—
Min. slice gap (mm)	—	0	5	—	—	—	—	—	—	—	—
EPIfactor	—	41	—	—	—	—	—	—	—	—	—
TFE shots	2	—	—	—	—	—	—	—	—	—	—
TFE dur. shot / acq (ms)	1162.5 / 704.0	—	—	—	—	—	—	—	—	—	—
TFE shot interval (ms)	1162.5	—	—	—	—	—	—	—	—	—	—
Min. TI delay	397.4	—	—	—	—	—	—	—	—	—	—
Act.slicegap (mm)	—	—	—	-1.3	—	-0.9	0	0	-0.9	-0.9	-0.9
Act. WFS (pix) / BW (Hz)	3.101 / 140.1	—	—	1.701 / 255.3	1.935 / 224.5	1.201 / 361.6	7.920 / 54.8	4.199 / 103.4	—	—	1.201 / 361.6
BW in EPI freq. dir. (Hz)	—	—	—	—	—	—	1904.6	—	—	—	—
Min. WFS (pix) / Max. BW (Hz)	0.587 / 740.3	—	—	0.570 / 761.4	0.872 / 498.2	0.512 / 848.0	7.919 / 54.8	0.459 / 945.2	—	—	0.512 / 848.0
Min. TR/TE(ms)	9.4 / 3.7	—	—	—	9.7 / 5.6	15 / 2.6	—	20 / 1.8	—	—	15 / 2.6
Min. TR/TE1/delta TE(ms)	—	—	—	29 / 5.2 / 5.7	—	—	—	—	—	—	—
WFS (pix) / BW (Hz)	—	15.266 / 28.4	2.555 / 170.0	—	—	—	—	—	0.512 / 848.0	1.640 / 264.7	—
TSE es / shot(ms)	—	—	9.4 / 151	—	—	—	—	—	3.6 / 662	7.0 / 174	—
TEeff / TEequiv(ms)	—	—	80 / 72	—	—	—	—	—	347 / 144	35 / 19	—
Min. TR(ms)	—	—	3120	—	—	—	—	—	—	328	—
Min. TR/TI(ms)	—	—	—	—	—	—	—	—	2462 / 50	—	—
BW in EPI freq. dir. (Hz)	—	1447.8	—	—	—	—	—	—	—	—	—
SPIR offset act./default (Hz)	—	220 [220]	—	—	—	—	—	—	—	—	—
ES-FFE: added M area	—	—	—	—	—	—	-23.5	—	—	—	—
ES-FFE: added P area	—	—	—	—	—	—	-23.5	—	—	—	—
ES-FFE: added S area	—	—	—	—	—	—	-23.5	—	—	—	—
Local torso SAR	< 12 %	< 32 %	< 100 %	< 8 %	< 4 %	< 60 %	< 2 %	< 80 %	< 16 %	< 20 %	< 60 %
Whole body SAR / level	< 0.4 W/kg / normal	< 1.0 W/kg / normal	< 3.2 W/kg / 1st level	< 0.3 W/kg / normal	< 0.1 W/kg / normal	< 1.9 W/kg / normal	< 0.1 W/kg / normal	< 2.6 W/kg / 1st level	< 0.5 W/kg / normal	< 0.6 W/kg / normal	< 1.9 W/kg / normal

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

SED	0.0 kJ/kg	0.0 kJ/kg	< 0.1 kJ/kg	0.0 kJ/kg	0.0 kJ/kg	< 0.2 kJ/kg	0.0 kJ/kg	< 0.4 kJ/kg	< 0.1 kJ/kg	< 0.1 kJ/kg	< 0.2 kJ/kg
Coil Power	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Max B1+rms	0.79 uT	1.30 uT	2.29 uT	0.65 uT	0.43 uT	1.77 uT	0.31 uT	2.04 uT	0.98 uT	1.02 uT	1.77 uT
PNS / level	53 % / normal	80 % / 1st level	62 % / normal	78 % / normal	15 % / normal	77 % / normal	96 % / 1st level	66 % / normal	68 % / normal	73 % / normal	77 % / normal
dB/dt	46.6 T/s	105.0 T/s	81.5 T/s	61.9 T/s	16.1 T/s	88.5 T/s	102.6 T/s	87.9 T/s	79.5 T/s	84.4 T/s	88.5 T/s
Sound Pressure Level (dB)	10.4	14.5	5	8	-10.7	8.5	19	6.3	12.2	8.1	8.5
Boil-off (hPa/h)	—	12.3	2	5.8	—	3.4	27.9	2.5	1.3	1.7	3.4
Max Boil-off (hPa/h)	—	12.3	2	5.8	—	3.4	27.9	2.5	10	2.7	3.4
Boil-off (hPa)	—	0.2	0	0.1	—	0.1	0.8	0.1	0	0	0.1

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Central Nervous System

IMAGING FORUMS, INC.

GEOMETRY

Scan Description	Survey	DWI	AXIAL T2 TSE	AXIAL SWIp	Survey PCA for label placement	AXIAL 3D FFE SPGR T1 Pre	5 Hour PERFUSION PRESTO	AXIAL 3D T1 +Gd	AXIAL 3D FLAIR +Gd	AXIAL 3D T1 TSE +Gd	AXIAL 3D FFE SPGR T1 +Gd
Nucleus	—	H1	H1	H1	—	H1	H1	H1	H1	H1	H1
SmartSelect	—	yes	yes	yes	—	yes	yes	yes	yes	yes	yes
Coil 1 (exclude)	—	None	None	None	—	None	None	None	None	None	None
Uniformity	Classic	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
FOV AP (mm)	260	230	230	230	300	240	200	230	240	220	240
FOV FH (mm)	260	149	150	138	300	169	96	96	169	169	169
FOV RL (mm)	—	230	181	192	115	240	200	230	240	220	240
stack RL (mm)	50	—	—	—	—	—	—	—	—	—	—
ACQ voxel size AP (mm)	2	1.9	0.6	0.8	2.3	0.9	2	1	0.9	0.9	0.9
ACQ voxel size FH (mm)	1	—	—	2.5	1.2	1.8	3	3	1.8	1.8	1.8
ACQ voxel size RL (mm)	—	1.5	0.8	0.8	—	0.9	2	1	0.9	0.9	0.9
Slice thickness (mm)	10	4	5	—	50	—	—	—	—	—	—
Recon voxel size AP (mm)	0.9	1.2	0.4	0.4	1.2	0.7	1.8	0.7	0.8	0.4	0.7
Recon voxel size FH (mm)	0.9	—	—	1.3	1.2	0.9	3	3	0.9	0.9	0.9
Recon voxel size RL (mm)	—	1.2	0.4	0.4	—	0.7	1.8	0.7	0.8	0.4	0.7
Fold-over suppression	no	no	no	no	no	no	no	no	no	no	no
Slice oversampling	—	—	—	default	—	default	default	default	default	user defined	default
oversample factor	—	—	—	—	—	—	—	—	—	1.3	—
ENCASE enable	—	—	—	no	—	no	no	no	—	—	no
RF select. FOS	—	—	—	—	—	—	—	—	no	no	—
Reconstruction matrix	288	192	512	512	256	336	112	320	288	576	336
SENSE	no	yes	no	no	no	no	yes	yes	no	no	no
P reduction (AP)	—	3	—	—	—	—	—	—	—	—	—
P reduction (RL)	—	—	—	—	—	—	2	2.3	—	—	—
S reduction (FH)	—	—	—	—	—	—	1	1	—	—	—
MB SENSE	—	no	—	—	—	—	—	—	—	—	—
CS-SENSE	—	no	yes	yes	—	yes	no	no	yes	yes	yes
reduction	—	—	3	7	—	7	—	—	12	8.5	7
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
Stacks	3	1	1	1	1	1	1	1	1	1	1
current	A	—	—	—	—	—	—	—	—	—	—
type	parallel	parallel	parallel	—	parallel	—	—	—	—	—	—
slices	3	30	30	110	2	188	32	32	188	188	188
slice gap	user defined	user defined	user defined	—	user defined	—	—	—	—	—	—
gap (mm)	10	1	0	—	15	—	—	—	—	—	—
slice orientation	sagittal	transverse	transverse	transverse	sagittal	transverse	transverse	transverse	transverse	transverse	transverse
fold-over direction	AP	AP	RL	RL	AP	RL	RL	RL	RL	RL	RL
fat shift direction	F	P	P	P	F	P	L	P	P	P	P
Minimum number of packages	—	1	1	—	—	—	—	—	—	—	—

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Slice scan order	default	default	default	—	default	—	—	—	—	—	—
Stack scan order	ascend	—	—	—	—	—	—	—	—	—	—
Stack sort order	no	—	—	—	—	—	—	—	—	—	—
Multi-chunk	—	—	—	no	—	no	no	no	no	no	no
O-MAR	—	—	no	—	—	—	—	—	no	no	—
Large table movement	—	no	no	no	—	no	no	no	no	no	no
Plan Align	no	no	no	no	no	no	no	no	no	no	no
REST slabs	0	0	1	0	0	1	0	1	0	0	1
type	—	—	parallel	—	—	parallel	—	free	—	—	parallel
orientation	—	—	—	—	—	—	—	transverse	—	—	—
thickness (mm)	—	—	60	—	—	60	—	60	—	—	60
position	—	—	feet	—	—	feet	—	—	—	—	feet
gap	—	—	default	—	—	default	—	—	—	—	default
power	—	—	1	—	—	1	—	1	—	—	1
Interactive positioning	—	no	no	no	—	no	no	no	no	no	no
Allow table movement	—	no	no	no	—	no	no	no	no	no	no
Patient position	—	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
Patient orientation	—	supine	supine	supine	—	supine	supine	supine	supine	supine	supine
Patient body orientation	—	supine	supine	supine	—	supine	supine	supine	supine	supine	supine

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IMAGING FORUMS, INC.

CONTRAST

Scan Description	Survey	DWI	AXIALT2 TSE	AXIALSWIp	Survey PCAfor label placement	AXIAL3D FFE SPGR T1Pre	5 HourPERFUSION PRESTO	AXIAL3D T1 +Gd	AXIAL3D FLAIR +Gd	AXIAL3D T1 TSE +Gd	AXIAL3D FFE SPGR T1 +Gd
Scan type	&#8213	Imaging	Imaging	Imaging	&#8213	Imaging	Imaging	Imaging	Imaging	Imaging	
Scan mode	M2D	MS	MS	3D	M2D	3D	3D	3D	3D	3D	
Modified SE	&#8213	no	no	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	no	
3D non-selective	&#8213	&#8213	&#8213	no	&#8213	no	no	no	&#8213	&#8213	
Contrast enhancement	T1	&#8213	&#8213	T1	T1	T1	T1	T1	&#8213	&#8213	
Acquisition mode	&#8213	cartesian	cartesian	cartesian	&#8213	cartesian	cartesian	cartesian	cartesian	cartesian	
Fast Imaging mode	TFE	EPI	TSE	none	none	none	EPI	none	TSE	TSE	
3D VIEW	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	Brain FLAIR	Brain T1	
TFE factor	64	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	
TSE factor	&#8213	&#8213	16	&#8213	&#8213	&#8213	&#8213	&#8213	178	20	
EPI factor	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	25	&#8213	&#8213	&#8213	
EPI direction	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	Y	&#8213	&#8213	&#8213	
Echoes	1	1	1	4	1	1	1	1	1	1	
TE>TR shift	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	1	&#8213	&#8213	&#8213	
TE	in-phase	shortest	user defined	user defined	shortest	shortest	shortest	in-phase	shortest	shortest	
(ms)	4.6	&#8213	80	7.2	&#8213	&#8213	&#8213	2.3	&#8213	&#8213	&#8213
Flip angle (deg)	15	90	90	17	15	30	7	30	&#8213	90	
Refocusing control	&#8213	&#8213	constant	&#8213	&#8213	&#8213	&#8213	&#8213	constant	constant	
TR	user defined	shortest	range	user defined	user defined	user defined	shortest	user defined	user defined	user defined	
Halfscan	no	yes	no	no	no	no	no	no	no	no	
Water-fat shift	user defined	minimum	maximum	user defined	maximum	user defined	maximum	maximum	maximum	maximum	
IR delay(ms)	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	1650	&#8213	
RF Shims	fixed	fixed	adaptive	fixed	fixed	adaptive	fixed	adaptive	fixed	fixed	
Shim	default	auto	default	auto	default	auto	default	auto	default	auto	
mDIXON	no	no	no	no	no	no	no	no	no	no	
Fat suppression	no	SPIR	no	no	no	no	no	no	SPIR	SPAIR	
Grad Rev Fat suppr	&#8213	yes	no	&#8213	&#8213	&#8213	&#8213	&#8213	no	no	
Water suppression	no	no	no	no	no	no	no	no	no	no	
BB pulse	&#8213	no	no	&#8213	&#8213	&#8213	&#8213	&#8213	no	no	
TFE prepulse	invert	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	
MTC	no	no	no	no	no	no	no	no	no	no	
APT	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	
Saturation B1 rms (uT)	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	
Saturation duration (s)	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	
T2prep	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	yes	no	
APT	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	&#8213	
Custom prepulse	&#8213	no	no	no	&#8213	no	no	no	no	no	
MDME	&#8213	no	no	no	&#8213	no	no	no	no	no	
Diffusion mode	&#8213	DWI	no	no	&#8213	no	no	no	no	no	

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T1 mapping	&#8213	no	no	no	&#8213	no	no	no	no	no
Transmit channels	&#8213	both	both	both	&#8213	both	both	both	both	both
SAR mode	high	high	high	high	high	high	high	high	high	high
B1 mode	default	default	default	default	user defined	default	default	default	default	default
SAR allow first level	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Patient pregnancy	&#8213	no	no	no	&#8213	no	no	no	no	no
Patient WB SAR [W/kg]	&#8213	—	—	—	&#8213	—	—	—	—	—
Patient Head SAR [W/kg]	&#8213	—	—	—	&#8213	—	—	—	—	—
Patient max. dB/dt [T/s]	&#8213	—	—	—	&#8213	—	—	—	—	—
Max slewrate [T/m/s]	&#8213	—	—	—	&#8213	—	—	—	—	—
Max. B1+rms [uT]	&#8213	—	—	—	&#8213	—	—	—	—	—
PNS mode	low	high	high	moderate	low	high	high	high	moderate	moderate
Gradient mode	default	maximum	maximum	maximum	regular	maximum	maximum	maximum	maximum	maximum
SofTone mode	no	no	no	no	no	no	no	no	no	no

MOTION

Scan Description	Survey	DWI	AXIAL T2 TSE	AXIAL SWIp	Survey PCA for label placement	AXIAL 3D FFE SPGR T1 Pre	5 Hour PERFUSION PRESTO	AXIAL 3D T1 +Gd	AXIAL 3D FLAIR +Gd	AXIAL 3D T1 TSE +Gd	AXIAL 3D FFE SPGR T1 +Gd
Cardiac synchronization	no	no	no	no	no	no	no	no	no	no	no
Heart rate >250 bpm	—	no	no	no	—	no	no	no	no	no	no
Respiratory compensation	no	no	no	no	no	no	no	no	no	no	no
Navigator respiratory comp	—	no	no	no	—	no	no	no	no	no	no
Flow compensation	no	no	no	yes	yes	no	no	no	no	no	no
Temporal slice spacing	—	default	default	—	—	—	—	—	—	—	—
fMRI echo stabilisation	—	—	—	no	—	no	no	no	—	—	no
Motion smoothing	—	—	no	—	—	—	—	—	no	no	—
NSA	1	1	1	1	1	1	1	2	1	1	1
SMART	—	—	—	—	—	—	—	no	—	—	—
MRE enable	no	no	no	no	no	no	no	no	no	no	no

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Central Nervous System

IMAGING FORUMS, INC.

DYNAMIC ANGIO

Scan Description	Survey	DWI	AXIAL T2 TSE	AXIAL SWIp	Survey PCA for label placement	AXIAL 3D FFE SPGR T1 Pre	5 Hour PERFUSION PRESTO	AXIAL 3D T1 +Gd	AXIAL 3D FLAIR +Gd	AXIAL 3D T1 TSE +Gd	AXIAL 3D FFE SPGR T1 +Gd
Angio / Contrast enh.	no	—	—	no	phase contrast	no	no	no	—	—	no
PC flow directions	—	—	—	—	RL-AP-FH	—	—	—	—	—	—
uniform velocity	—	—	—	—	yes	—	—	—	—	—	—
PC velocity (cm/s)	—	—	—	—	50	—	—	—	—	—	—
Quantitative flow	—	—	—	no	—	no	no	no	—	—	no
CENTRA	—	—	—	—	—	—	—	—	no	no	—
Manual start	no	no	no	no	no	no	yes	no	no	no	no
Dynamic study	no	no	no	no	no	no	individual	no	no	no	no
dyn scans	—	—	—	—	—	—	50	—	—	—	—
dyn scan times	—	—	—	—	—	—	shortest	—	—	—	—
fov time mode	—	—	—	—	—	—	default	—	—	—	—
dummy scans	—	—	—	—	—	—	0	—	—	—	—
immediate subtraction	—	—	—	—	—	—	no	—	—	—	—
fast next scan	—	—	—	—	—	—	no	—	—	—	—
synch. ext. device	—	—	—	—	—	—	no	—	—	—	—
dyn stabilization	—	—	—	—	—	—	no	—	—	—	—
prospect. motion corr.	—	—	—	—	—	—	no	—	—	—	—
Keyhole	—	—	—	—	—	—	no	—	—	—	—
Arterial Spin labeling	—	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.

POST PROCESSING

Scan Description	Survey	DWI	AXIAL T2 TSE	AXIAL SWIp	Survey PCA for label placement	AXIAL 3D FFE SPGR T1 Pre	5 Hour PERFUSION PRESTO	AXIAL 3D T1 +Gd	AXIAL 3D FLAIR +Gd	AXIAL 3D T1 TSE +Gd	AXIAL 3D FFE SPGR T1 +Gd
Preparation phases	auto	auto	auto	auto	auto	auto	auto	auto	auto	auto	auto
Interactive F0	no	no	no	no	no	no	no	no	no	no	no
Quick Survey	default	default	default	default	default	default	default	default	default	default	default
SmartPlan survey	—	no	no	no	—	no	no	no	no	no	no
B0 field map	—	no	no	no	—	no	no	no	no	no	no
B1 field map	—	no	no	no	—	no	no	no	no	no	no
MIP/MPR	no	no	no	no	no	no	no	no	no	no	no
SWIp	—	—	—	yes	—	no	no	no	—	—	no
Images	M, no, no, no	M, (3) no	M, (3) no	SW-M, SW-P, (2) no	M, no, no, 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
Calculated images	no, no, no, no	(4) no	(4) no	—	no, no, no, no	(4) no	(4) no	(4) no	Grey matter	(4) no	(4) no
Reference tissue	White matter	Grey matter	Grey matter	White matter	Grey matter	White matter	White matter	White matter	No	White matter	White matter
Recon compression	No	No	No	No	No	No	No	No	—	No	No
Preset window contrast	soft	soft	soft	soft	soft	soft	soft	soft	soft	soft	soft
Reconstruction mode	immediate	real time	real time	real time	immediate	immediate	real time	immediate	real time	immediate	immediate
reuse memory	—	—	—	—	—	—	no	—	—	—	—
Save raw data	no	no	no	no	no	no	no	no	no	no	no
Hardcopy protocol	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
Uniformity correction	no	no		no	no	no	no	no	yes	no	no
Geometry correction	default	default	default	default	default	default	default	default	default	default	default
Elliptical k-space shutter	—	—	—	default	—	no	default	default	default	default	no
EPI geometry correction	—	no	—	—	—	—	—	—	—	—	—
ADC correction	—	no	—	—	—	—	—	—	—	—	—
PCA Local Phase Corr.	—	—	—	—	yes	—	—	—	—	—	—
Free rotatable	—	no	no	no	—	no	no	no	no	no	no

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