

## Philips MRI Protocol Dump

### Created on

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### Comment

Created by ExamCard\_to\_XML with inputs: "K:\ADNI GO - ADNI 2 Human7.ExamCard" on system (BU SCHOOL OF MEDICINE :: 192.168.71.10)

### Software Stream

3.2.1.1

ADNI GO - ADNI 2 Human7 (9) 38:30.1

3 Plane Localizer 00:31.5

Ref\_HC\_8 00:44.4

MPRAGE 09:06.7

MPRAGE SENSE2 05:34.2

Extended Resting State fMRI 10:03.0

Axial T2-TSE with Fat Sat 02:42.0

Axial T2-FLAIR 04:03.0

Axial T2-Star 04:22.6

Field Mapping 01:22.7

INFO PAGE		GEOMETRY		CONTRAST	
Total scan duration	00:31.5	Nucleus	H1	Scan type	Imaging
Rel. signal level (%)	100	Coil selection	SENSE-Head-8	Scan mode	M2D
Act. TR/TE (ms)	11 / 4.6	element selection	SENSE	technique	FFE
ACQ matrix M x P	256 x 128	connection	d	Contrast enhancement	T1
ACQ voxel MPS (mm)	0.98 / 1.95 / 10.0	Dual coil	no	Acquisition mode	cartesian
REC voxel MPS (mm)	0.98 / 0.98 / 10.0	Multi coil	no	Fast Imaging mode	TFE
Scan percentage (%)	50	Homogeneity correction	none	shot mode	multishot
TFE shots	2	CLEAR	no	TFE factor	64
TFE dur. shot / acq (ms)	1166.1 / 712.4	FOV FH (mm)	250	startup echoes	default
TFE shot interval (ms)	1166.05	AP (mm)	250	shot interval	shortest
Min. TI delay	402.4302	stack RL (mm)	50	profile order	linear
Act. WFS (pix) / BW (Hz)	3.496 / 124.3	Voxel size FH (mm)	0.9765625	Echoes	1
Min. WFS (pix) / Max. BW (Hz)	1.045 / 415.8	AP (mm)	1.953125	partial echo	yes
Min. TR/TE (ms)	11 / 2.4	Slice thickness (mm)	10	shifted echo	no
SAR / head	< 9 %	Recon voxel size (mm)	0.9765625	TE	in-phase
Whole body / level	0.0 W/kg / normal	Fold-over suppression	no	(ms)	4.603086
B1 rms	0.69 uT	Reconstruction matrix	256	Flip angle (deg)	15
PNS / level	16 % / normal	SENSE	no	TR	shortest
Sound Pressure Level (dB)	1.292613	k-t BLAST	no	Halfscan	no
<b>MOTION</b>		Stacks	3	Water-fat shift	user defined
Cardiac synchronization	no	current	A	(pixels)	3.5
Heart rate > 250 bpm	no	type	parallel	Shim	default
Respiratory compensation	no	slices	3	mDIXON	no
Navigator respiratory comp	no	slice gap	user defined	Fat suppression	no
Flow compensation	no	gap (mm)	10	Water suppression	no
fMRI echo stabilisation	no	slice orientation	sagittal	TFE prepulse	invert
Motion smoothing	no	fold-over direction	AP	slice selection	no
NSA	1	fat shift direction	F	shared	no
<b>DYN/ANG</b>		Slice scan order	default	delay	user defined
Angio / Contrast enh.	no	Stack scan order	ascend	(ms)	800
Quantitative flow	no	Move table per stack	no	PSIR	no
Manual start	no	Stack alignment	no	MTC	no
Dynamic study	no	Stack display order	no	T2prep	no
Arterial Spin labeling	no	PlanAlign	no	Research prepulse	no
<b>POST/PROC</b>		REST slabs	0	Diffusion mode	no
Preparation phases	auto	Interactive positioning	no	SAR mode	high
Interactive F0	no	Allow table movement	no	B1 mode	default
B0 field map	no	<b>OFFC/ANG</b>		SAR Patient data	auto
B1 field map	no	Stacks	3	PNS mode	low
MIP/MPR	no	current	A	Gradient mode	regular
Images	M, no, no, no	Stack Offc. AP (P=+mm)	-20	SoftTone mode	no
Autoview image	M	RL (L=+mm)	0		
Calculated images	no, no, no, no	FH (H=+mm)	20		
Reference tissue	Grey matter	Ang. AP (deg)	0		
Preset window contrast	soft	RL (deg)	0		
Reconstruction mode	real time	FH (deg)	0		
Save raw data	no				
Hardcopy protocol	no				
Ringling filtering	rectangular				
Geometry correction	default				

INFO PAGE		GEOMETRY		CONTRAST	
Total scan duration	00:44.4	Coil selection	SENSE-Head-8	Coil selection	SENSE-Head-8
Rel. signal level (%)	100	element selection	SENSE	element selection	SENSE
Act. TR/TE (ms)	4.0 / 0.75	connection	d	connection	d
ACQ matrix M x P	96 x 75	Dual coil	no	Dual coil	no
ACQ voxel MPS (mm)	5.52 / 7.07 / 6.00	Fold-over suppression	no	Fold-over suppression	no
REC voxel MPS (mm)	5.52 / 5.52 / 3.00	Stack Offc. AP (P=+mm)	-8.602485	Stack Offc. AP (P=+mm)	-8.602485
Scan percentage (%)	78.125	RL (L=+mm)	0	RL (L=+mm)	0
Packages	1	FH (H=+mm)	14.21405	FH (H=+mm)	14.21405
Act. WFS (pix) / BW (Hz)	0.210 / 2071.3	Respiratory compensation	no	Respiratory compensation	no
Min. WFS (pix) / Max. BW (Hz)	0.209 / 2083.3	NSA	3	NSA	3
SAR / local torso	< 2 %	Manual start	no	Manual start	no
Whole body / level	0.0 W/kg / normal	<b>OFFC/ANG</b>			
B1 rms	0.25 uT	Coil selection	SENSE-Head-8		
PNS / level	28 % / normal	element selection	SENSE		
Sound Pressure Level (dB)	17.52302	connection	d		
<b>MOTION</b>		Dual coil	no		
Coil selection	SENSE-Head-8	Fold-over suppression	no		
element selection	SENSE	Stack Offc. AP (P=+mm)	-8.602485		
connection	d	RL (L=+mm)	0		
Dual coil	no	FH (H=+mm)	14.21405		
Fold-over suppression	no	Respiratory compensation	no		
Stack Offc. AP (P=+mm)	-8.602485	NSA	3		
RL (L=+mm)	0	Manual start	no		
FH (H=+mm)	14.21405				
Respiratory compensation	no				
NSA	3				
Manual start	no				
<b>DYN/ANG</b>					
Coil selection	SENSE-Head-8				
element selection	SENSE				
connection	d				
Dual coil	no				
Fold-over suppression	no				
Stack Offc. AP (P=+mm)	-8.602485				
RL (L=+mm)	0				
FH (H=+mm)	14.21405				
Respiratory compensation	no				
NSA	3				
Manual start	no				
<b>POST/PROC</b>					
Coil selection	SENSE-Head-8				
element selection	SENSE				
connection	d				
Dual coil	no				
Fold-over suppression	no				
Stack Offc. AP (P=+mm)	-8.602485				
RL (L=+mm)	0				
FH (H=+mm)	14.21405				
Respiratory compensation	no				
NSA	3				
Manual start	no				

INFO PAGE		GEOMETRY		CONTRAST	
Total scan duration	09:06.7	Nucleus	H1	Scan type	Imaging
Rel. signal level (%)	100	Coil selection	SENSE-Head-8	Scan mode	3D
Act. TR/TE (ms)	6.8 / 3.1	element selection	SENSE	technique	FFE
ACQ matrix M x P	256 x 240	connection	d	Contrast enhancement	T1
ACQ voxel MPS (mm)	1.00 / 1.00 / 1.20	Dual coil	no	Acquisition mode	cartesian
REC voxel MPS (mm)	1.00 / 1.00 / 1.20	CLEAR	yes	Fast Imaging mode	TFE
Scan percentage (%)	100	body tuned	no	3D non-selective	no
TFE shots	218	FOV FH (mm)	256	shot mode	multishot
TFE dur. shot / acq (ms)	1725.0 / 1633.3	AP (mm)	240	TFE factor	240
Min. TI delay	849.9592	RL (mm)	204	3D free factor	no
Act. WFS (pix) / BW (Hz)	1.802 / 241.1	Voxel size FH (mm)	1	startup echoes	default
Min. WFS (pix) / Max. BW (Hz)	0.494 / 879.9	AP (mm)	1	shot interval	user defined
SAR / head	< 10 %	RL (mm)	1.2	(ms)	2500
Whole body / level	0.0 W/kg / normal	Recon voxel size (mm)	1	profile order	linear
B1 rms	0.73 uT	Fold-over suppression	no	turbo direction	Y
PNS / level	59 % / normal	Slice oversampling	default	Echoes	1
Sound Pressure Level (dB)	13.59096	RF select. FOS	no	partial echo	no
<b>MOTION</b>		Reconstruction matrix	256	shifted echo	no
Cardiac synchronization	no	SENSE	yes	TE	shortest
Heart rate > 250 bpm	no	P reduction (AP)	1	Flip angle (deg)	9
Respiratory compensation	no	P os factor	1	TR	shortest
Navigator respiratory comp	no	S reduction (RL)	1	Halfscan	no
Flow compensation	no	k-t BLAST	no	Water-fat shift	user defined
fMRI echo stabilisation	no	Overcontiguous slices	no	(pixels)	1.8
Motion smoothing	no	Stacks	1	Shim	auto
NSA	1	slices	170	mDIXON	no
<b>DYN/ANG</b>		slice orientation	sagittal	Fat suppression	no
Angio / Contrast enh.	no	fold-over direction	AP	Water suppression	no
Quantitative flow	no	fat shift direction	F	TFE prepulse	invert
CENTRA	no	Chunks	1	slice selection	no
Manual start	no	PlanAlign	no	delay	user defined
Dynamic study	no	REST slabs	0	(ms)	900
Arterial Spin labeling	no	Interactive positioning	no	PSIR	no
<b>POST/PROC</b>		Allow table movement	no	MTC	no
Preparation phases	auto	<b>OFFC/ANG</b>		T2prep	no
Interactive F0	no	Stacks	1	Research prepulse	no
B0 field map	no	Stack Offc. AP (P=+mm)	-7.38014	Diffusion mode	no
B1 field map	no	RL (L=+mm)	1.671578	SAR mode	high
MIP/MPR	no	FH (H=+mm)	15.46823	B1 mode	default
Images	M, no, no, no	Ang. AP (deg)	-1.783733	SAR Patient data	auto
Autoview image	M	RL (deg)	-0.07435598	PNS mode	low
Calculated images	no, no, no, no	FH (deg)	-2.387414	Gradient mode	maximum
Reference tissue	Grey matter			SoftTone mode	no
Preset window contrast	soft				
Reconstruction mode	real time				
Save raw data	no				
Hardcopy protocol	no				
Ringling filtering	rectangular				
Geometry correction	default				
Elliptical k-space shutter	default				

INFO PAGE		GEOMETRY		CONTRAST	
Total scan duration	05:34.2	Nucleus	H1	Scan type	Imaging
Rel. signal level (%)	100	Coil selection	SENSE-Head-8	Scan mode	3D
Act. TR/TE (ms)	6.8 / 3.1	element selection	SENSE	technique	FFE
ACQ matrix M x P	244 x 227	connection	d	Contrast enhancement	T1
ACQ voxel MPS (mm)	1.11 / 1.11 / 1.20	Dual coil	no	Acquisition mode	cartesian
REC voxel MPS (mm)	1.05 / 1.05 / 1.20	CLEAR	yes	Fast Imaging mode	TFE
Scan percentage (%)	99.57265	body tuned	no	3D non-selective	no
TFE factor	233	FOV FH (mm)	270	shot mode	single-shot
TFE dur. shot / acq (ms)	1699.2 / 1579.8	AP (mm)	252.2951	TFE startup echoes	default
Min. TI delay	824.254	RL (mm)	204	shot interval	user defined
Act. WFS (pix) / BW (Hz)	1.811 / 239.9	Voxel size FH (mm)	1.11	(ms)	2500
Min. WFS (pix) / Max. BW (Hz)	0.469 / 927.2	AP (mm)	1.11	profile order	linear
SAR / head	< 10 %	RL (mm)	1.2	turbo direction	Y
Whole body / level	0.0 W/kg / normal	Recon voxel size (mm)	1.054688	Echoes	1
B1 rms	0.75 uT	Fold-over suppression	no	partial echo	no
PNS / level	60 % / normal	Slice oversampling	default	shifted echo	no
Sound Pressure Level (dB)	14.66526	RF select. FOS	no	TE	shortest
<b>MOTION</b>		Reconstruction matrix	256	Flip angle (deg)	9
Cardiac synchronization	no	SENSE	yes	TR	shortest
Heart rate > 250 bpm	no	P reduction (AP)	1	Halfscan	no
Respiratory compensation	no	P os factor	1.5	Water-fat shift	user defined
Navigator respiratory comp	no	S reduction (RL)	1.8	(pixels)	1.8
Flow compensation	no	k-t BLAST	no	Shim	auto
fMRI echo stabilisation	no	Overcontiguous slices	no	mDIXON	no
Motion smoothing	no	Stacks	1	Fat suppression	no
NSA	1	slices	170	Water suppression	no
<b>DYN/ANG</b>		slice orientation	sagittal	TFE prepulse	invert
Angio / Contrast enh.	no	fold-over direction	AP	slice selection	no
Quantitative flow	no	fat shift direction	F	delay	user defined
CENTRA	no	Chunks	1	(ms)	900
Manual start	no	PlanAlign	no	PSIR	no
Dynamic study	no	REST slabs	0	MTC	no
Arterial Spin labeling	no	Interactive positioning	no	T2prep	no
<b>POST/PROC</b>		Allow table movement	no	Research prepulse	no
Preparation phases	auto	<b>OFFC/ANG</b>		Diffusion mode	no
Interactive F0	no	Stacks	1	SAR mode	high
B0 field map	no	Stack Offc. AP (P=+mm)	-7.38014	B1 mode	default
B1 field map	no	RL (L=+mm)	1.671578	SAR Patient data	auto
MIP/MPR	no	FH (H=+mm)	15.46823	PNS mode	low
Images	M, no, no, no	Ang. AP (deg)	-1.783733	Gradient mode	maximum
Autoview image	M	RL (deg)	-0.07435598	SoftTone mode	no
Calculated images	no, no, no, no	FH (deg)	-2.387414		
Reference tissue	Grey matter				
Preset window contrast	soft				
Reconstruction mode	real time				
Save raw data	no				
Hardcopy protocol	no				
Ringling filtering	rectangular				
Geometry correction	default				
Elliptical k-space shutter	default				

INFO PAGE		GEOMETRY		CONTRAST	
Total scan duration	10:03.0	Nucleus	H1	Scan type	Imaging
Rel. signal level (%)	100	Coil selection	SENSE-Head-8	Scan mode	MS
Act. TR/TE (ms)	3000 / 30	element selection	SENSE	technique	FFE
Dyn. scan time	00:03.0	connection	d	Contrast enhancement	no
Time to k0	00:04.5	Dual coil	no	Acquisition mode	cartesian
ACQ matrix M x P	64 x 59	Homogeneity correction	none	Fast Imaging mode	EPI
ACQ voxel MPS (mm)	3.31 / 3.37 / 3.31	CLEAR	no	shot mode	single-shot
REC voxel MPS (mm)	3.31 / 3.31 / 3.31	FOV RL (mm)	212	Echoes	1
Scan percentage (%)	98.33334	AP (mm)	198.75	partial echo	no
Packages	1	FH (mm)	159	shifted echo	no
Min. slice gap (mm)	0	Voxel size RL (mm)	3.3125	TE	user defined
EPI factor	59	AP (mm)	3.3125	(ms)	30
Act. WFS (pix) / BW (Hz)	18.050 / 24.1	Slice thickness (mm)	3.3125	Flip angle (deg)	80
BW in EPI freq. dir. (Hz)	1886.2	Recon voxel size (mm)	3.3125	TR	user defined
Min. WFS (pix) / Max. BW (Hz)	10.223 / 42.5	Fold-over suppression	no	(ms)	3000
Min. TR/TE (ms)	2971 / 13	Reconstruction matrix	64	Halfscan	no
SAR / head	< 29 %	SENSE	no	Water-fat shift	user defined
Whole body / level	< 0.1 W/kg / normal	k-t BLAST	no	(pixels)	18.049
B1 rms	1.25 uT	Stacks	1	Shim	auto
PNS / level	61 % / normal	type	parallel	mDIXON	no
Sound Pressure Level (dB)	17.38536	slices	48	Fat suppression	SPIR
<b>MOTION</b>		slice gap	user defined	strength	strong
Cardiac synchronization	no	gap (mm)	0	frequency offset	default
Heart rate > 250 bpm	no	slice orientation	transverse	Water suppression	no
Respiratory compensation	no	fold-over direction	AP	MTC	no
Navigator respiratory comp	no	fat shift direction	P	Research prepulse	no
Flow compensation	no	Minimum number of packages	1	Diffusion mode	no
Temporal slice spacing	equidistant	Slice scan order	default	SAR mode	high
fMRI echo stabilisation	no	PlanAlign	no	B1 mode	default
NSA	1	REST slabs	0	SAR Patient data	auto
<b>DYN/ANG</b>		Interactive positioning	no	PNS mode	moderate
Angio / Contrast enh.	no	Allow table movement	no	Gradient mode	maximum
Quantitative flow	no	<b>OFFC/ANG</b>		SoftTone mode	no
Manual start	yes	Stacks	1		
Dynamic study	individual	Stack Offc. AP (P=+mm)	-9.332945		
dyn scans	200	RL (L=+mm)	7.304602		
recon multiplier	1	FH (H=+mm)	15.67497		
dyn scan times	shortest	Ang. AP (deg)	0		
FOV time mode	default	RL (deg)	0		
dummy scans	0	FH (deg)	0		
immediate subtraction	no				
fast next scan	no				
synch. ext. device	no				
dyn stabilization	no				
prospect. motion corr.	yes				
Keyhole	no				
Arterial Spin labeling	no				
<b>POST/PROC</b>					
Preparation phases	full				
Interactive F0	no				
B0 field map	no				
B1 field map	no				
MIP/MPR	no				
Images	M, no, no, no				
Autoview image	M				

Calculated images	no, no, no, no
Reference tissue	Grey matter
EPI 2D phase correction	no
Preset window contrast	soft
Reconstruction mode	real time
reuse memory	no
Save raw data	no
Hardcopy protocol	no
Ringing filtering	default
Geometry correction	2D compensation

INFO PAGE		GEOMETRY		CONTRAST	
Total scan duration	02:42.0	Nucleus	H1	Scan type	Imaging
Rel. signal level (%)	100	Coil selection	SENSE-Head-8	Scan mode	MS
Act. TR (ms)	3000	element selection	SENSE	technique	SE
Act. TE (ms)	80	connection	d	Modified SE	no
ACQ matrix M x P	256 x 255	Dual coil	no	Acquisition mode	cartesian
ACQ voxel MPS (mm)	0.94 / 0.94 / 4.00	Homogeneity correction	none	Fast Imaging mode	TSE
REC voxel MPS (mm)	0.94 / 0.94 / 4.00	CLEAR	yes	shot mode	multishot
Scan percentage (%)	99.60938	body tuned	no	TSE factor	15
Packages	3	FOV AP (mm)	240	startup echoes	0
Min. slice gap (mm)	4	RL (mm)	240	profile order	linear
Optimal slices	30	FH (mm)	176	DRIVE	no
Max. slices	45	Voxel size AP (mm)	0.9375	ultrashort	no
WFS (pix) / BW (Hz)	2.847 / 152.6	RL (mm)	0.9375	strong FID crushing	no
TSE es / shot (ms)	10.0 / 150	Slice thickness (mm)	4	Echoes	1
TEeff / TEequiv (ms)	80 / 72	Recon voxel size (mm)	0.9375	partial echo	no
Min. TR (ms)	2926	Small FOV imaging	no	TE	user defined
SAR / head	< 98 %	Fold-over suppression	no	(ms)	80
Whole body / level	< 0.2 W/kg / normal	Reconstruction matrix	256	Flip angle (deg)	90
B1 rms	2.31 uT	SENSE	no	Refocusing control	yes
PNS / level	53 % / normal	k-t BLAST	no	angle (deg)	120
Sound Pressure Level (dB)	11.04712	Stacks	1	echo enhancement	no
<b>MOTION</b>		type	parallel	bright fat reduction	no
Cardiac synchronization	no	slices	44	TR	user defined
Heart rate > 250 bpm	no	slice gap	user defined	(ms)	3000
Respiratory compensation	no	gap (mm)	0	Halfscan	no
Navigator respiratory comp	no	slice orientation	transverse	Water-fat shift	maximum
Flow compensation	no	fold-over direction	RL	Shim	default
Temporal slice spacing	default	fat shift direction	P	mDIXON	no
Motion smoothing	no	Minimum number of packages	1	Fat suppression	SPIR
NSA	1	Slice scan order	default	strength	strong
<b>DYN/ANG</b>		PlanAlign	no	frequency offset	default
Manual start	no	REST slabs	1	Water suppression	no
Dynamic study	no	type	parallel	Grad. rev. offres. supp.	no
Arterial Spin labeling	no	thickness (mm)	60	BB pulse	no
<b>POST/PROC</b>		position	feet	MTC	no
Preparation phases	auto	gap	default	T2prep	no
Interactive F0	no	power	1	Research prepulse	no
B0 field map	no	Interactive positioning	no	Zoom imaging	no
B1 field map	no	Allow table movement	no	Diffusion mode	no
MIP/MPR	no	<b>OFFC/ANG</b>		SAR mode	high
Images	M, no, no, no	Stacks	1	B1 mode	default
Autoview image	M	Stack Offc. AP (P=+mm)	0	SAR Patient data	auto
Calculated images	no, no, no, no	RL (L=+mm)	0	PNS mode	low
Reference tissue	Grey matter	FH (H=+mm)	0	Gradient mode	default
Preset window contrast	soft	Ang. AP (deg)	0	SoftTone mode	no
Reconstruction mode	real time	RL (deg)	0		
Save raw data	no	FH (deg)	0		
Hardcopy protocol	no				
Ringing filtering	rectangular				
Geometry correction	default				



INFO PAGE		GEOMETRY		CONTRAST	
Total scan duration	04:03.0	Nucleus	H1	Scan type	Imaging
Rel. signal level (%)	100	Coil selection	SENSE-Head-8	Scan mode	MS
Act. TR/TI (ms)	9000 / 2500	element selection	SENSE	technique	IR
Act. TE (ms)	90	connection	d	Acquisition mode	cartesian
ACQ matrix M x P	256 x 237	Dual coil	no	Fast Imaging mode	TSE
ACQ voxel MPS (mm)	0.86 / 0.93 / 5.00	CLEAR	yes	shot mode	multishot
REC voxel MPS (mm)	0.86 / 0.86 / 5.00	body tuned	no	TSE factor	19
Scan percentage (%)	92.68293	FOV AP (mm)	220	startup echoes	0
Packages	3	RL (mm)	220	profile order	linear
Min. slice gap (mm)	5	FH (mm)	175	DRIVE	no
Optimal slices	24	Voxel size AP (mm)	0.86	ultrashort	no
Max. slices	36	RL (mm)	0.86	strong FID crushing	no
WFS (pix) / BW (Hz)	1.958 / 221.9	Slice thickness (mm)	5	Echoes	1
TSE es / shot (ms)	9.0 / 171	Recon voxel size (mm)	0.859375	partial echo	no
TEeff / TEequiv (ms)	90 / 88	Fold-over suppression	no	TE	user defined
Min. TR/TI (ms)	7332 / 50	Reconstruction matrix	256	(ms)	90
SAR / head	< 50 %	SENSE	yes	Refocusing control	yes
Whole body / level	< 0.1 W/kg / normal	P reduction (RL)	1.6	angle (deg)	150
B1 rms	1.66 uT	P os factor	1	echo enhancement	no
PNS / level	40 % / normal	k-t BLAST	no	bright fat reduction	no
Sound Pressure Level (dB)	9.924327	Stacks	1	TR	user defined
<b>MOTION</b>		type	parallel	(ms)	9000
Cardiac synchronization	no	slices	35	Halfscan	no
Heart rate > 250 bpm	no	slice gap	user defined	Water-fat shift	user defined
Respiratory compensation	no	gap (mm)	0	(pixels)	1.96
Navigator respiratory comp	no	slice orientation	transverse	IR delay (ms)	2500
Flow compensation	no	fold-over direction	RL	acquire during delay	yes
Motion smoothing	no	fat shift direction	P	dual	no
NSA	1	Minimum number of packages	3	power	1
<b>DYN/ANG</b>		Slice scan order	default	Shim	auto
Manual start	no	PlanAlign	no	mDIXON	no
Dynamic study	no	REST slabs	0	Fat suppression	no
Arterial Spin labeling	no	Interactive positioning	no	Water suppression	no
<b>POST/PROC</b>		Allow table movement	no	Grad. rev. offres. supp.	no
Preparation phases	auto	<b>OFFC/ANG</b>		MTC	no
Interactive F0	no	Stacks	1	T2prep	no
B0 field map	no	Stack Offc. AP (P=+mm)	-9.888501	Research prepulse	no
B1 field map	no	RL (L=+mm)	1.671578	Zoom imaging	no
MIP/MPR	no	FH (H=+mm)	0.83612	Diffusion mode	no
Images	M, no, no, no	Ang. AP (deg)	-1.783733	SAR mode	high
Autoview image	M	RL (deg)	-0.07435598	B1 mode	default
Reference tissue	Grey matter	FH (deg)	-2.387414	SAR Patient data	auto
Preset window contrast	soft			PNS mode	low
Reconstruction mode	real time			Gradient mode	default
Save raw data	no			SofTone mode	no
Hardcopy protocol	no				
Ringing filtering	rectangular				
Geometry correction	2D compensation				

INFO PAGE		GEOMETRY		CONTRAST	
Total scan duration	04:22.6	Nucleus	H1	Scan type	Imaging
Rel. signal level (%)	100	Coil selection	SENSE-Head-8	Scan mode	MS
Act. TR/TE (ms)	650 / 20	element selection	SENSE	technique	FFE
ACQ matrix M x P	248 x 200	connection	d	Contrast enhancement	no
ACQ voxel MPS (mm)	0.81 / 1.00 / 4.00	Dual coil	no	Acquisition mode	cartesian
REC voxel MPS (mm)	0.78 / 0.78 / 4.00	CLEAR	yes	Fast Imaging mode	none
Scan percentage (%)	80.64516	body tuned	no	Echoes	1
Packages	2	FOV AP (mm)	200	partial echo	no
Min. slice gap (mm)	0	RL (mm)	200	shifted echo	no
Optimal slices	22	FH (mm)	176	TE	user defined
Act. WFS (pix) / BW (Hz)	2.155 / 201.6	Voxel size AP (mm)	0.8	(ms)	20
Min. WFS (pix) / Max. BW (Hz)	1.054 / 412.0	RL (mm)	1	Flip angle (deg)	20
Min. TR/TE (ms)	556 / 8.6	Slice thickness (mm)	4	TR	user defined
SAR / head	< 1 %	Recon voxel size (mm)	0.8	(ms)	650
Whole body / level	0.0 W/kg / normal	Fold-over suppression	no	Halfscan	no
B1 rms	0.28 uT	Reconstruction matrix	256	Water-fat shift	user defined
PNS / level	26 % / normal	SENSE	yes	(pixels)	2.15
Sound Pressure Level (dB)	3.045319	P reduction (RL)	1	Shim	auto
<b>MOTION</b>		P os factor	1	mDIXON	no
Cardiac synchronization	no	k-t BLAST	no	Fat suppression	no
Heart rate > 250 bpm	no	Stacks	1	Water suppression	no
Respiratory compensation	no	type	parallel	MTC	no
Navigator respiratory comp	no	slices	44	Research prepulse	no
Flow compensation	yes	slice gap	user defined	Diffusion mode	no
Temporal slice spacing	default	gap (mm)	0	SAR mode	low
fMRI echo stabilisation	no	slice orientation	transverse	B1 mode	default
NSA	1	fold-over direction	RL	SAR Patient data	auto
<b>DYN/ANG</b>		fat shift direction	P	PNS mode	low
Angio / Contrast enh.	inflow	Minimum number of packages	2	Gradient mode	default
slice overlap	no	Slice scan order	default	SoftTone mode	no
Quantitative flow	no	PlanAlign	no		
Manual start	no	REST slabs	0		
Dynamic study	no	Interactive positioning	no		
Arterial Spin labeling	no	Allow table movement	no		
<b>POST/PROC</b>		<b>OFFC/ANG</b>			
Preparation phases	auto	Stacks	1		
Interactive F0	no	Stack Offc. AP (P=+mm)	-9.888501		
B0 field map	no	RL (L=+mm)	1.671578		
B1 field map	no	FH (H=+mm)	0.83612		
MIP/MPR	no	Ang. AP (deg)	-1.783733		
Images	M, no, no, no	RL (deg)	-0.07435598		
Autoview image	M	FH (deg)	-2.387414		
Calculated images	no, no, no, no				
Reference tissue	Grey matter				
Preset window contrast	soft				
Reconstruction mode	real time				
Save raw data	no				
Hardcopy protocol	no				
Ringling filtering	default				
Geometry correction	2D compensation				

INFO PAGE		GEOMETRY		CONTRAST	
Total scan duration	01:22.7	Nucleus	H1	Scan type	Imaging
Rel. signal level (%)	100	Coil selection	SENSE-Head-8	Scan mode	3D
Act. TR/TE1/TE2 (ms)	20 / 2.3 / 4.6	element selection	Quadrature	technique	FFE
ACQ matrix M x P	96 x 80	connection	d	loop order	zy_order
ACQ voxel MPS (mm)	2.71 / 2.71 / 3.00	Dual coil	no	Contrast enhancement	T1
REC voxel MPS (mm)	1.02 / 1.02 / 3.00	Homogeneity correction	none	Acquisition mode	cartesian
Scan percentage (%)	100	CLEAR	no	Fast Imaging mode	none
Act. WFS (pix) / BW (Hz)	0.433 / 1004.3	FOV RL (mm)	260	3D non-selective	no
Min. WFS (pix) / Max. BW (Hz)	0.133 / 3268.9	AP (mm)	216.6667	Echoes	2
Min. TR/TE1/TE2 (ms)	6.1 / 1.65 / 3.3	FH (mm)	156	partial echo	no
SAR / head	< 4 %	Voxel size RL (mm)	2.7	shifted echo	no
Whole body / level	0.0 W/kg / normal	AP (mm)	2.7	TE first	user defined
B1 rms	0.48 uT	FH (mm)	3	(ms)	2.3
PNS / level	60 % / normal	Recon voxel size (mm)	1.02	second	user defined
Sound Pressure Level (dB)	14.61059	Fold-over suppression	no	(ms)	4.6
<b>MOTION</b>		Slice oversampling	default	flyback	yes
Cardiac synchronization	no	RF select. FOS	no	Flip angle (deg)	10
Heart rate > 250 bpm	no	Reconstruction matrix	256	TR	user defined
Respiratory compensation	no	SENSE	no	(ms)	20
Navigator respiratory comp	no	k-t BLAST	no	Halfscan	no
Flow compensation	yes	Overcontiguous slices	no	Water-fat shift	user defined
fMRI echo stabilisation	no	Stacks	1	(pixels)	0.43
NSA	1	slices	52	Shim	auto
<b>DYN/ANG</b>		slice orientation	transverse	mDIXON	no
Angio / Contrast enh.	no	fold-over direction	AP	Fat suppression	no
Quantitative flow	no	fat shift direction	L	Water suppression	no
Manual start	no	Chunks	1	MTC	no
Dynamic study	no	PlanAlign	no	Research prepulse	no
Arterial Spin labeling	no	REST slabs	0	Diffusion mode	no
<b>POST/PROC</b>		Interactive positioning	no	SAR mode	high
Preparation phases	auto	Allow table movement	no	B1 mode	default
Interactive F0	no	<b>OFFC/ANG</b>		SAR Patient data	auto
B0 field map	no	Stacks	1	PNS mode	low
B1 field map	no	Stack Offc. AP (P=+mm)	-9.332945	Gradient mode	maximum
MIP/MPR	no	RL (L=+mm)	7.304602	SoftTone mode	no
Images	R, I, no, no	FH (H=+mm)	15.67497		
Autoview image	M	Ang. AP (deg)	0		
Calculated images	no, no, no, no	RL (deg)	0		
Reference tissue	Grey matter	FH (deg)	0		
Preset window contrast	soft				
Reconstruction mode	real time				
Save raw data	no				
Hardcopy protocol	no				
Ringling filtering	rectangular				
Geometry correction	default				
Elliptical k-space shutter	default				