ADNI 3 Basic R5 Ingenia (9) 47:12.4

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ADNI 3 Basic R5 Ingenia (9) 47:12.4 | 3 Plane Localizer 00:31.4

INFO PAGE	
Total scan duration	00:31.4
Rel. SNR	1
Act. TR/TE (ms)	11 / 4.6
ACQ matrix M x P	256 x 128
ACQ voxel MPS (mm)	0.98 / 1.95 / 10.0
REC voxel MPS (mm)	0.98 / 0.98 / 10.0
Scan percentage (%)	50
TFE shots	2
TFE dur. shot / acq (ms)	1161.8 / 704.0
TFE shot interval (ms)	1161.829
Min. TI delay	396.7518
Act. WFS (pix) / BW (Hz)	3.104 / 139.9
Min. WFS (pix) / Max. BW (Hz)	0.560 / 775.0
Min. TR/TE (ms)	9.4 / 3.7
SAR / local torso	< 11 %
Whole body / level	< 0.3 W/kg / normal
SED	0.0 kJ/kg
B1+rms / Coil Power	0.75 uT / 10 %
Max B1+rms	0.75 uT
PNS / level	53 % / normal
dB/dt	44.8 T/s
Sound Pressure Level (dB)	17.5277
Boil-off (hPa/h)	2.377257
Max Boil-off (hPa/h)	3.987657
Boil-off (hPa)	0.02071476

MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
fMRI echo stabilisation	no
Motion smoothing	no
NSA	1

DYN/ANG	
Angio / Contrast enh.	no
Quantitative flow	no
Manual start	no
Dynamic study	no
Arterial Spin labeling	no

POST/PROC	
Preparation phases	auto
Interactive F0	no
SmartPlan survey	no
B0 field map	no
B1 field map	no
MIP/MPR	no
SWIp	no
Images	M, no, no, no
Autoview image	M
Calculated images	no, no, no, no
Reference tissue	White matter
Recon compression	No
Preset window contrast	soft
Reconstruction mode	immediate
Save raw data	no
Hardcopy protocol	no
Image filter	system default
Geometry correction	default

GEOMETRY	
Nucleus	H1
Uniformity	CLEAR
FOV FH (mm)	250
AP (mm)	250
stack RL (mm)	50
Voxel size FH (mm)	0.976563
AP (mm)	1.953125
Slice thickness (mm)	10
Recon voxel size (mm)	0.9765625
Fold-over suppression	no
Reconstruction matrix	256
SENSE	no
k-t BLAST	no
Stacks	3
current	A
type	parallel
slices	3
slice gap	user defined
gap (mm)	10
slice orientation	sagittal
fold-over direction	AP
fat shift direction	F
Slice scan order	default
Stack scan order	ascend
Move table per stack	no
Stack alignment	no
Stack display order	no
PlanAlign	no
REST slabs	0
Catheter tracking	no
Interactive positioning	no
Allow table movement	no

OFFC/ANG	
Stacks	3
current	A
Stack Offc. AP (P=+mm)	0
RL (L=+mm)	0
FH (H=+mm)	0
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0
Free rotatable	no

CONTRAST	
Scan type	Imaging
Scan mode	M2D
technique	FFE
Contrast enhancement	T1
Acquisition mode	cartesian
Fast Imaging mode	TFE
shot mode	multishot
TFE factor	64
startup echoes	default
shot interval	shortest
profile order	linear
Echoes	1
partial echo	no
shifted echo	no
TE	in-phase
(ms)	4.605258
Flip angle (deg)	15
TR	user defined
(ms)	11
Halfscan	no
Water-fat shift	user defined
(pixels)	3.5
RF Shims	fixed
Shim	default
mDIXON	no
Fat suppression	no
Water suppression	no
TFE prepulse	invert
slice selection	no
shared	no
delay	user defined
(ms)	800
PSIR	no
MTC	no
T2prep	no
Research prepulse	no
Diffusion mode	no
Elastography mode	no
Transmit channels	both
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	low
Gradient mode	default
SofTone mode	no

ADNI 3 Basic R5 Ingenia (9) 47:12.4 | Sagittal 3D Accelerated MPRAGE 06:11.7

INFO PAGE	
Total scan duration	06:11.7
Rel. SNR	1
Act. TR/TE (ms)	6.5 / 2.9
ACQ matrix M x P	256 x 256
ACQ voxel MPS (mm)	1.00 / 1.00 / 1.00
REC voxel MPS (mm)	1.00 / 1.00 / 1.00
Scan percentage (%)	100
TFE factor	256
TFE dur. shot / acq (ms)	1745.5 / 1674.5
Min. TI delay	870.2974
Act. WFS (pix) / BW (Hz)	1.601 / 271.3
Min. WFS (pix) / Max. BW (Hz)	0.480 / 904.2
SAR / local torso	< 11 %
Whole body / level	< 0.3 W/kg / normal
SED	< 0.1 kJ/kg
B1+rms / Coil Power	0.75 uT / 10 %
Max B1+rms	0.75 uT
PNS / level	60 % / normal
dB/dt	56.4 T/s
Sound Pressure Level (dB)	13.42863
Boil-off (hPa/h)	4.177145
Max Boil-off (hPa/h)	6.194211
Boil-off (hPa)	0.431343
MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
fMRI echo stabilisation	no
Motion smoothing	no
NSA	1
DYN/ANG	
Angio / Contrast enh.	no
Quantitative flow	no
CENTRA	no
Manual start	no
Dynamic study	no
Arterial Spin labeling	no
POST/PROC	
Preparation phases	auto
Interactive F0	no
SmartPlan survey	no
B0 field map	no
B1 field map	no
MIP/MPR	no
SWIp	no
Images	M, no, no, no
Autoview image	M
Calculated images	no, no, no, no
Reference tissue	Grey matter
Recon compression	No
Preset window contrast	soft
Reconstruction mode	real time
Save raw data	no
Hardcopy protocol	no
Image filter	system default
Geometry correction	default
Elliptical k-space shutter	default

GEOMETRY	
Nucleus	H1
Uniformity	CLEAR
FOV FH (mm)	256
AP (mm)	256
RL (mm)	211
Voxel size FH (mm)	1
AP (mm)	1
RL (mm)	1
Recon voxel size (mm)	1
Fold-over suppression	no
Slice oversampling	default
RF select. FOS	no
Reconstruction matrix	256
SENSE	yes
P reduction (AP)	1
S reduction (RL)	2
k-t BLAST	no
Overcontiguous slices	no
Stacks	1
slices	211
slice orientation	sagittal
fold-over direction	AP
fat shift direction	F
Multi-chunk	no
PlanAlign	no
REST slabs	0
Catheter tracking	no
Interactive positioning	no
Allow table movement	no
OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	6.044665
RL (L=+mm)	0
FH (H=+mm)	-2.679165
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0
Free rotatable	no

CONTRAST	
Scan type	Imaging
Scan mode	3D
technique	FFE
Contrast enhancement	T1
Acquisition mode	cartesian
Fast Imaging mode	TFE
3D non-selective	no
shot mode	single-shot
TFE startup echoes	default
shot interval	user defined
(ms)	2500
profile order	linear
turbo direction	Y
Echoes	1
partial echo	no
shifted echo	no
TE	shortest
Flip angle (deg)	9
TR	shortest
Halfscan	no
Water-fat shift	user defined
(pixels)	1.6
RF Shims	fixed
Shim	auto
mDIXON	no
Fat suppression	no
Water suppression	no
TFE prepulse	invert
slice selection	no
delay	user defined
(ms)	900
PSIR	no
MTC	no
T2prep	no
Research prepulse	no
Diffusion mode	no
Elastography mode	no
Transmit channels	both
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	low
Gradient mode	maximum
SofTone mode	no

ADNI 3 Basic R5 Ingenia (9) 47:12.4 | Sagittal 3D FLAIR 05:45.6

INFO PAGE	
Total scan duration	05:45.6
Rel. SNR	1
Act. TR/TI (ms)	4800 / 1650
Act. TE (ms)	271
ACQ matrix M x P	256 x 255
ACQ voxel MPS (mm)	1.00 / 1.00 / 1.20
REC voxel MPS (mm)	1.00 / 1.00 / 1.20
Scan percentage (%)	100
WFS (pix) / BW (Hz)	0.454 / 957.4
TSE es / shot (ms)	3.2 / 513
TEeff / TEequiv (ms)	271 / 119
Min. TR/TI (ms)	2312 / 50
SAR / local torso	< 15 %
Whole body / level	< 0.5 W/kg / normal
SED	< 0.2 kJ/kg
B1+rms / Coil Power	0.88 uT / 14 %
Max B1+rms	0.97 uT
PNS / level	81 % / 1st level
dB/dt	108.5 T/s
Sound Pressure Level (dB)	27.24983
Boil-off (hPa/h)	1.635447
Max Boil-off (hPa/h)	15.27927
Boil-off (hPa)	0.1570029
MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
Motion smoothing	no
NSA	1
DYN/ANG	
CENTRA	no
Manual start	no
Dynamic study	no
Arterial Spin labeling	no
POST/PROC	
Preparation phases	auto
Interactive F0	no
SmartPlan survey	no
B0 field map	no
B1 field map	no
MIP/MPR	no
Images	M, no, no, no
Autoview image	M
Reference tissue	Grey matter
Recon compression	No
Preset window contrast	soft
Reconstruction mode	real time
Save raw data	no
Hardcopy protocol	no
Image filter	system default
Geometry correction	default
Elliptical k-space shutter	default

GEOMETRY	
Nucleus	H1
Uniformity	CLEAR
FOV FH (mm)	256
AP (mm)	256
RL (mm)	192
Voxel size FH (mm)	1
AP (mm)	1.003922
RL (mm)	1.2
Recon voxel size (mm)	1
Fold-over suppression	no
Slice oversampling	user defined
oversample factor	1
RF select. FOS	no
Reconstruction matrix	256
SENSE	yes
P reduction (AP)	3
S reduction (RL)	1
k-t BLAST	no
Overcontiguous slices	no
Stacks	1
slices	160
slice orientation	sagittal
fold-over direction	AP
fat shift direction	F
Multi-chunk	no
PlanAlign	no
REST slabs	0
Catheter tracking	no
Interactive positioning	no
Allow table movement	no
OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	6.044665
RL (L=+mm)	0
FH (H=+mm)	-2.679165
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0
Free rotatable	no

CONTRAST	
Scan type	Imaging
Scan mode	3D
technique	IR
Acquisition mode	cartesian
Fast Imaging mode	TSE
3D VIEW	Brain FLAIR
shot mode	multishot
TSE factor	150
startup echoes	6
profile order	linear
turbo direction	Y
DRIVE	no
fid reduction	default
Echoes	1
partial echo	no
TE	user defined
(ms)	271
Refocusing control	yes
angle (deg)	40
echo enhancement	no
bright fat reduction	no
TR	user defined
(ms)	4800
Halfscan	no
Water-fat shift	user defined
(pixels)	0.52
IR delay (ms)	1650
dual	no
power	1
RF Shims	fixed
Shim	default
mDIXON	no
Fat suppression	SPIR
strength	strong
frequency offset	default
Grad Rev Fat suppression	no
Water suppression	no
MTC	no
T2prep	yes
echo time (ms)	125
refocusing pulses	4
flow venc (cm/s)	0, 0, 0
Research prepulse	no
Zoom imaging	no
Diffusion mode	no
Elastography mode	no
Transmit channels	both
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	high
Gradient mode	maximum
SofTone mode	no

ADNI 3 Basic R5 Ingenia (9) 47:12.4 | Axial T2 Star 04:29.1

INFO PAGE	
Total scan duration	04:29.1
Rel. SNR	1
Act. TR/TE (ms)	650 / 20
ACQ matrix M x P	256 x 205
ACQ voxel MPS (mm)	0.80 / 1.00 / 4.00
REC voxel MPS (mm)	0.80 / 0.80 / 4.00
Scan percentage (%)	80.07813
Packages	2
Min. slice gap (mm)	0
Optimal slices	22
Act. WFS (pix) / BW (Hz)	2.152 / 201.8
Min. WFS (pix) / Max. BW (Hz)	1.067 / 406.9
Min. TR/TE (ms)	555 / 8.6
SAR / local torso	< 2 %
Whole body / level	0.0 W/kg / normal
SED	0.0 kJ/kg
B1+rms / Coil Power	0.28 uT / 1 %
Max B1+rms	0.28 uT
PNS / level	28 % / normal
dB/dt	11.7 T/s
Sound Pressure Level (dB)	6.872497
Boil-off (hPa/h)	1.505584
Max Boil-off (hPa/h)	1.505586
Boil-off (hPa)	0.1125426

MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	yes
Temporal slice spacing	default
fMRI echo stabilisation	no
NSA	1

DYN/ANG	
Angio / Contrast enh.	inflow
slice overlap	no
Quantitative flow	no
Manual start	no
Dynamic study	no
Arterial Spin labeling	no

POST/PROC	
Preparation phases	auto
Interactive F0	no
SmartPlan survey	no
B0 field map	no
B1 field map	no
MIP/MPR	no
SWIp	no
Images	M, no, no, no
Autoview image	M
Calculated images	no, no, no, no
Reference tissue	Grey matter
Recon compression	No
Preset window contrast	soft
Reconstruction mode	real time
Save raw data	no
Hardcopy protocol	no
Image filter	system default
Geometry correction	default

GEOMETRY	
Nucleus	H1
Uniformity	CLEAR
FOV AP (mm)	205
RL (mm)	205
FH (mm)	176
Voxel size AP (mm)	0.8
RL (mm)	1
Slice thickness (mm)	4
Recon voxel size (mm)	0.8007813
Fold-over suppression	no
Reconstruction matrix	256
SENSE	yes
P reduction (RL)	1
k-t BLAST	no
Stacks	1
type	parallel
slices	44
slice gap	user defined
gap (mm)	0
slice orientation	transverse
fold-over direction	RL
fat shift direction	P
Minimum number of packages	2
Slice scan order	default
PlanAlign	no
REST slabs	0
Catheter tracking	no
Interactive positioning	no
Allow table movement	no

OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	6.044665
RL (L=+mm)	0
FH (H=+mm)	-2.679165
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0
Free rotatable	no

CONTRAST	
Scan type	Imaging
Scan mode	MS
technique	FFE
Contrast enhancement	no
Acquisition mode	cartesian
Fast Imaging mode	none
Echoes	1
partial echo	no
shifted echo	no
TE	user defined
(ms)	20
Flip angle (deg)	20
TR	user defined
(ms)	650
Halfscan	no
Water-fat shift	user defined
(pixels)	2.15
RF Shims	fixed
Shim	auto
mDIXON	no
Fat suppression	no
Water suppression	no
MTC	no
Research prepulse	no
Diffusion mode	no
Elastography mode	no
Transmit channels	both
SAR mode	low
B1 mode	default
SAR Patient data	auto
PNS mode	low
Gradient mode	default
SofTone mode	no

ADNI 3 Basic R5 Ingenia (9) 47:12.4 | Axial 2D PASL 05:10.0

INFO PAGE	
Total scan duration	05:10.0
Rel. SNR	1
Act. TR/TE (ms)	5000 / 16
Dyn. scan time	00:10.0
Time to k0	00:05.0
ACQ matrix M x P	64 x 61
ACQ voxel MPS (mm)	3.00 / 3.11 / 4.00
REC voxel MPS (mm)	3.00 / 3.00 / 4.00
Scan percentage (%)	96.42857
Packages	1
Min. slice gap (mm)	0
EPI factor	27
Act. WFS (pix) / BW (Hz)	9.842 / 44.1
BW in EPI freq. dir. (Hz)	1567.9
Min. WFS (pix) / Max. BW (Hz)	7.564 / 57.4
Min. TR/TE (ms)	3679 / 15
SPIR offset act./default (Hz)	175 [220]
SAR / local torso	< 14 %
Whole body / level	< 0.4 W/kg / normal
SED	< 0.1 kJ/kg
B1+rms / Coil Power	0.85 uT / 13 %
Max B1+rms	0.85 uT
PNS / level	59 % / normal
dB/dt	66.4 T/s
Sound Pressure Level (dB)	18.65494
Boil-off (hPa/h)	3.369794
Max Boil-off (hPa/h)	10.33002
Boil-off (hPa)	0.2901767

MOTION	
Multiphase ASL	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
Temporal slice spacing	default
fMRI echo stabilisation	no
NSA	1

DYN/ANG	
Angio / Contrast enh.	no
Quantitative flow	no
Manual start	no
Dynamic study	individual
dyn scans	30
recon multiplier	1
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	STAR
label type	parallel slab
label thickness (mm)	130
label gap (mm)	20
label location	F
label delay (ms)	2000

GEOMETRY	
Nucleus	H1
Uniformity	CLEAR
FOV RL (mm)	192
AP (mm)	192
FH (mm)	160
Voxel size RL (mm)	3
AP (mm)	3
Slice thickness (mm)	4
Recon voxel size (mm)	3
Fold-over suppression	no
Reconstruction matrix	64
SENSE	yes
P reduction (AP)	2.3
k-t BLAST	no
Stacks	1
type	parallel
slices	40
slice gap	user defined
gap (mm)	0
slice orientation	transverse
fold-over direction	AP
fat shift direction	P
Minimum number of packages	1
Slice scan order	ascend
PlanAlign	no
REST slabs	0
Catheter tracking	no
Interactive positioning	no
Allow table movement	no

OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	6.044665
RL (L=+mm)	0
FH (H=+mm)	-2.679165
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0
Free rotatable	no

CONTRAST	
Scan type	Imaging
Scan mode	MS
technique	FFE
Contrast enhancement	no
Acquisition mode	cartesian
Fast Imaging mode	EPI
shot mode	single-shot
Echoes	1
partial echo	no
shifted echo	no
TE	user defined
(ms)	16
Flip angle (deg)	40
TR	user defined
(ms)	5000
Halfscan	no
Water-fat shift	user defined
(pixels)	9
RF Shims	fixed
Shim	auto
mDIXON	no
Fat suppression	SPIR
strength	strong
frequency offset	user defined
offset (Hz)	175
Water suppression	no
MTC	no
Research prepulse	no
Diffusion mode	no
Elastography mode	no
Transmit channels	both
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	low
Gradient mode	maximum
SofTone mode	no

vascular crushing	no
back. supp.	no
POST/PROC	
Preparation phases	auto
Interactive F0	no
SmartPlan survey	no
B0 field map	no
B1 field map	no
MIP/MPR	no
SWIp	no
Images	M, no, no, no
Autoview image	M
Calculated images	no, no, no, no
Reference tissue	Grey matter
EPI 2D phase correction	no
Recon compression	No
Preset window contrast	soft
Reconstruction mode	immediate
Save raw data	no
Hardcopy protocol	no
Image filter	system default
Geometry correction	default

ADNI 3 Basic R5 Ingenia (9) 47:12.4 | Axial DTI 08:05.1

INFO PAGE	
Total scan duration	08:05.1
Rel. SNR	1
Act. TR (ms)	10861
Act. TE (ms)	100
ACQ matrix M x P	128 x 126
ACQ voxel MPS (mm)	2.00 / 2.03 / 2.00
REC voxel MPS (mm)	2.00 / 2.00 / 2.00
Scan percentage (%)	98.4375
Packages	1
Min. slice gap (mm)	0
Diffusion gradient timing DELTA / delta (ms)	50.0 / 25.9
User defined DTI scheme	ADNI3_Basic_Philips7 (36, 100
EPI factor	63
WFS (pix) / BW (Hz)	19.393 / 22.4
BW in EPI freq. dir. (Hz)	1865.9
SPIR offset act./default (Hz)	175 [220]
SAR / local torso	< 30 %
Whole body / level	< 1.0 W/kg / normal
SED	< 0.5 kJ/kg
B1+rms / Coil Power	1.24 uT / 28 %
Max B1+rms	1.24 uT
PNS / level	79 % / normal
dB/dt	88.0 T/s
Sound Pressure Level (dB)	19.05952
Boil-off (hPa/h)	12.48237
Max Boil-off (hPa/h)	12.48263
Boil-off (hPa)	1.681875

MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
Temporal slice spacing	default
NSA	1

DYN/ANG	
Manual start	no
Dynamic study	no
dyn stabilization	regular
Arterial Spin labeling	no

POST/PROC	
Preparation phases	auto
Interactive F0	no
SmartPlan survey	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	White matter
EPI 2D phase correction	no
Recon compression	No
Preset window contrast	soft
Reconstruction mode	immediate
Save raw data	no
Hardcopy protocol	no

GEOMETRY	
Nucleus	H1
Uniformity	CLEAR
FOV RL (mm)	256
AP (mm)	256
FH (mm)	160
Voxel size RL (mm)	2
AP (mm)	2
Slice thickness (mm)	2
Recon voxel size (mm)	2
Small FOV imaging	no
Fold-over suppression	no
Reconstruction matrix	128
SENSE	yes
P reduction (AP)	2
k-t BLAST	no
Stacks	1
type	parallel
slices	80
slice gap	user defined
gap (mm)	0
slice orientation	transverse
fold-over direction	AP
fat shift direction	P
Minimum number of packages	1
Slice scan order	default
PlanAlign	no
REST slabs	0
Catheter tracking	no
Interactive positioning	no
Allow table movement	no

OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	6.044665
RL (L=+mm)	0
FH (H=+mm)	-2.679165
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0
Free rotatable	no

CONTRAST	
Scan type	Imaging
Scan mode	MS
technique	SE
Modified SE	no
Acquisition mode	cartesian
Fast Imaging mode	EPI
shot mode	single-shot
Echoes	1
partial echo	no
TE	shortest
Flip angle (deg)	90
TR	shortest
Halfscan	yes
factor	0.8688524
Water-fat shift	minimum
RF Shims	fixed
Shim	auto
mDIXON	no
Fat suppression	SPIR
strength	strong
frequency offset	user defined
offset (Hz)	175
Grad Rev Fat suppression	no
Water suppression	no
BB pulse	no
MTC	no
Research prepulse	no
Diffusion mode	DTI
sequence	SE
gradient duration	maximum
gradient overplus	no
directional resolution	from file
average high b	no
Elastography mode	no
Transmit channels	both
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	moderate
Gradient mode	maximum
SofTone mode	no

Image filter	system default
Geometry correction	default

ADNI 3 Basic R5 Ingenia (9) 47:12.4 | Axial Field Mapping 01:22.7

INFO PAGE	
Total scan duration	01:22.7
Rel. SNR	1
Act. TR/TE1/TE2 (ms)	20 / 2.3 / 4.6
ACQ matrix M x P	80 x 80
ACQ voxel MPS (mm)	3.00 / 3.00 / 3.00
REC voxel MPS (mm)	3.00 / 3.00 / 3.00
Scan percentage (%)	100
Act. WFS (pix) / BW (Hz)	0.431 / 1008.1
Min. WFS (pix) / Max. BW (Hz)	0.153 / 2840.9
Min. TR/TE1/TE2 (ms)	6.1 / 1.65 / 3.3
SAR / local torso	< 4 %
Whole body / level	< 0.1 W/kg / normal
SED	0.0 kJ/kg
B1+rms / Coil Power	0.48 uT / 4 %
Max B1+rms	0.48 uT
PNS / level	51 % / normal
dB/dt	53.5 T/s
Sound Pressure Level (dB)	17.4537
Boil-off (hPa/h)	3.153232
Max Boil-off (hPa/h)	3.153232
Boil-off (hPa)	0.07245427

MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	yes
fMRI echo stabilisation	no
NSA	1

DYN/ANG	
Angio / Contrast enh.	no
Quantitative flow	no
Manual start	no
Dynamic study	no
Arterial Spin labeling	no

POST/PROC	
Preparation phases	auto
Interactive F0	no
SmartPlan survey	no
B0 field map	no
B1 field map	no
MIP/MPR	no
SWIp	no
Images	M, P, no, no
Autoview image	M
Calculated images	no, no, no, no
Reference tissue	Grey matter
Recon compression	No
Preset window contrast	soft
Reconstruction mode	real time
Save raw data	no
Hardcopy protocol	no
Image filter	system default
Geometry correction	default
Elliptical k-space shutter	default

GEOMETRY	
Nucleus	H1
Uniformity	CLEAR
FOV RL (mm)	240
AP (mm)	240
FH (mm)	156
Voxel size RL (mm)	3
AP (mm)	3
FH (mm)	3
Recon voxel size (mm)	3
Fold-over suppression	no
Slice oversampling	default
RF select. FOS	no
Reconstruction matrix	80
SENSE	no
k-t BLAST	no
Overcontiguous slices	no
Stacks	1
slices	52
slice orientation	transverse
fold-over direction	AP
fat shift direction	L
Multi-chunk	no
PlanAlign	no
REST slabs	0
Catheter tracking	no
Interactive positioning	no
Allow table movement	no

OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	6.044665
RL (L=+mm)	0
FH (H=+mm)	-2.679165
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0
Free rotatable	no

CONTRAST	
Scan type	Imaging
Scan mode	3D
technique	FFE
loop order	zy_order
Contrast enhancement	T1
Acquisition mode	cartesian
Fast Imaging mode	none
3D non-selective	no
Echoes	2
partial echo	no
shifted echo	no
TE first	user defined
(ms)	2.3
second	user defined
(ms)	4.6
flyback	yes
Flip angle (deg)	10
TR	user defined
(ms)	20
Halfscan	no
Water-fat shift	user defined
(pixels)	0.43
RF Shims	fixed
Shim	auto
mDIXON	no
Fat suppression	no
Water suppression	no
MTC	no
Research prepulse	no
Diffusion mode	no
Elastography mode	no
Transmit channels	both
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	low
Gradient mode	maximum
SofTone mode	no

ADNI 3 Basic R5 Ingenia (9) 47:12.4 | Axial fcMRI (EYES OPEN) 10:00.0

INFO PAGE	
Total scan duration	10:00.0
Rel. SNR	1
Act. TR/TE (ms)	3000 / 30
Dyn. scan time	00:03.0
Time to k0	00:01.5
ACQ matrix M x P	64 x 62
ACQ voxel MPS (mm)	3.39 / 3.50 / 3.39
REC voxel MPS (mm)	3.39 / 3.39 / 3.39
Scan percentage (%)	96.875
Packages	1
Min. slice gap (mm)	0
EPI factor	31
Act. WFS (pix) / BW (Hz)	7.688 / 56.5
BW in EPI freq. dir. (Hz)	2337.2
Min. WFS (pix) / Max. BW (Hz)	6.278 / 69.2
Min. TR/TE (ms)	2402 / 10
SPIR offset act./default (Hz)	175 [220]
SAR / local torso	< 32 %
Whole body / level	< 1.0 W/kg / normal
SED	< 0.6 kJ/kg
B1+rms / Coil Power	1.30 uT / 31 %
Max B1+rms	1.30 uT
PNS / level	77 % / normal
dB/dt	111.6 T/s
Sound Pressure Level (dB)	18.83882
Boil-off (hPa/h)	8.313146
Max Boil-off (hPa/h)	8.313275
Boil-off (hPa)	1.38545

MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
Temporal slice spacing	equidistant
fMRI echo stabilisation	no
NSA	1

DYN/ANG	
Angio / Contrast enh.	no
Quantitative flow	no
Manual start	yes
Dynamic study	individual
dyn scans	197
recon multiplier	1
dyn scan times	shortest
fov time mode	default
dummy scans	0
immediate subtraction	no
fast next scan	no
synch. ext. device	no
dyn stabilization	regular
prospect. motion corr.	no
Keyhole	no
Arterial Spin labeling	no

POST/PROC	
Preparation phases	full
Interactive F0	no
SmartPlan survey	no
B0 field map	no

GEOMETRY	
Nucleus	H1
Uniformity	CLEAR
FOV RL (mm)	217
AP (mm)	217
FH (mm)	162.72
Voxel size RL (mm)	3.39
AP (mm)	3.39
Slice thickness (mm)	3.39
Recon voxel size (mm)	3.39
Fold-over suppression	no
Reconstruction matrix	64
SENSE	yes
P reduction (AP)	2
k-t BLAST	no
Stacks	1
type	parallel
slices	48
slice gap	user defined
gap (mm)	0
slice orientation	transverse
fold-over direction	AP
fat shift direction	P
Minimum number of packages	1
Slice scan order	default
PlanAlign	no
REST slabs	0
Catheter tracking	no
Interactive positioning	no
Allow table movement	no

OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	6.044665
RL (L=+mm)	0
FH (H=+mm)	-2.679165
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0
Free rotatable	no

CONTRAST	
Scan type	Imaging
Scan mode	MS
technique	FFE
Contrast enhancement	no
Acquisition mode	cartesian
Fast Imaging mode	EPI
shot mode	single-shot
Echoes	1
partial echo	no
shifted echo	no
TE	user defined
(ms)	30
Flip angle (deg)	90
TR	user defined
(ms)	3000
Halfscan	no
Water-fat shift	minimum
RF Shims	fixed
Shim	auto
mDIXON	no
Fat suppression	SPIR
strength	strong
frequency offset	user defined
offset (Hz)	175
Water suppression	no
MTC	no
Research prepulse	no
Diffusion mode	no
Elastography mode	no
Transmit channels	both
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	moderate
Gradient mode	maximum
SofTone mode	no

B1 field map	no
MIP/MPR	no
SWIp	no
Images	M, no, no, no
Autoview image	M
Calculated images	no, no, no, no
Reference tissue	Grey matter
EPI 2D phase correction	no
Recon compression	No
Preset window contrast	soft
Reconstruction mode	real time
reuse memory	no
Save raw data	no
Hardcopy protocol	no
Image filter	system default
Geometry correction	default

ADNI 3 Basic R5 Ingenia (9) 47:12.4 | HighResHippo Scan (Oblique - perpendicular to hippocampal tail 05:36.8

INFO PAGE	
Total scan duration	05:36.8
Rel. SNR	1
Act. TR (ms)	8020
Act. TE (ms)	54
ACQ matrix M x P	448 x 431
ACQ voxel MPS (mm)	0.40 / 0.42 / 2.00
REC voxel MPS (mm)	0.40 / 0.40 / 2.00
Scan percentage (%)	96.2963
Packages	2
Min. slice gap (mm)	2
WFS (pix) / BW (Hz)	1.401 / 310.0
TSE es / shot (ms)	7.6 / 99
TEeff / TEequiv (ms)	54 / 48
Min. TR (ms)	2916
SAR / local torso	< 36 %
Whole body / level	< 1.2 W/kg / normal
SED	< 0.4 kJ/kg
B1+rms / Coil Power	1.37 uT / 34 %
Max B1+rms	1.40 uT
PNS / level	68 % / normal
dB/dt	102.0 T/s
Sound Pressure Level (dB)	14.90344
Boil-off (hPa/h)	2.674759
Max Boil-off (hPa/h)	4.012152
Boil-off (hPa)	0.2502683

MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
Temporal slice spacing	default
Motion smoothing	no
NSA	1

DYN/ANG	
Manual start	no
Dynamic study	no
Arterial Spin labeling	no

POST/PROC	
Preparation phases	auto
Interactive F0	no
SmartPlan survey	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
Recon compression	No
Preset window contrast	soft
Reconstruction mode	immediate
Save raw data	no
Hardcopy protocol	no
Image filter	system default
Geometry correction	default

GEOMETRY	
Nucleus	H1
Uniformity	CLEAR
FOV FH (mm)	179
RL (mm)	179
AP (mm)	60
Voxel size FH (mm)	0.4
RL (mm)	0.4
Slice thickness (mm)	2
Recon voxel size (mm)	0.3995536
Small FOV imaging	no
Fold-over suppression	rest
slab thickness	half FOV
Reconstruction matrix	448
SENSE	yes
P reduction (RL)	2
k-t BLAST	no
Stacks	1
type	parallel
slices	30
slice gap	user defined
gap (mm)	0
slice orientation	coronal
fold-over direction	RL
fat shift direction	F
Minimum number of packages	1
Slice scan order	default
PlanAlign	no
REST slabs	0
Catheter tracking	no
Interactive positioning	no
Allow table movement	no

OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	6.044665
RL (L=+mm)	0
FH (H=+mm)	-2.679165
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0
Free rotatable	no

CONTRAST	
Scan type	Imaging
Scan mode	MS
technique	SE
Modified SE	no
Acquisition mode	cartesian
Fast Imaging mode	TSE
shot mode	multishot
TSE factor	13
startup echoes	0
profile order	linear
DRIVE	no
ultrashort	no
fid reduction	default
Echoes	1
partial echo	no
TE	shortest
Flip angle (deg)	90
Refocusing control	yes
angle (deg)	120
echo enhancement	no
bright fat reduction	no
TR	user defined
(ms)	8020
Halfscan	no
Water-fat shift	maximum
RF Shims	fixed
Shim	default
mDIXON	no
Fat suppression	no
Grad Rev Fat suppression	no
Water suppression	no
BB pulse	no
MTC	no
T2prep	no
Research prepulse	no
Zoom imaging	no
Diffusion mode	no
Elastography mode	no
Transmit channels	both
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	moderate
Gradient mode	maximum
SofTone mode	no