

User defined 1 , ADNI_3T , SURVEY

Geometry
Coil selection = SENSE-head
 coil mode = SENSE
 connection = d
Multi coil = no
Homogeneity correction = none
CLEAR = no
FOV (mm) = 250.00
RFOV (%) = 100.00
Foldover suppression = no
Matrix scan = 256
 reconstruction = 256
Scan percentage (%) = 50.00
SENSE = no
Stacks = 3
 current = A
 type = parallel
 slices = 3
 slice thickness (mm) = 10.00
 slice gap = user defined
 gap (mm) = 10.00
 slice orientation = sagittal
 foldover direction = AP
 fat shift direction = F
 use geometry = none
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
Patient position = head first
 orientation = supine

Contrast
Scan mode = M2D
 technique = FFE
Contrast enhancement = T1
Acquisition mode = cartesian
Fast Imaging mode = TFE
 shot mode = multi-shot
TFE factor = 64
 startup echoes = default
 shot interval = shortest
 profile order = linear
 randomized shots = no
Echoes = 1
 partial echo = yes
 shifted echo = no
TE = in-phase
 (ms) = 4.61

Flip angle (deg)	= 15.00
TR	= shortest
Half Scan	= no
Water fat shift	= user defined
(pixel)	= 3.500
Shim	= no
SPIR	= no
SPAIR	= no
TFE prepulse	= invert
slice selection	= no
shared	= no
delay	= user defined
(ms)	= 800.00
ProSet	= no
MTC	= no
T2prep	= no
Research prepulse	= no
diffusion mode	= no
SAR mode	= high
B1 mode	= default
PNS mode	= low
gradient mode	= regular
SoftTone mode	= no
Motion	
Cardiac synchronisation	= no
Respiratory compensation	= no
Navigator respiratory comp	= no
Flow compensation	= no
fMRI echo stabilisation	= no
NSA	= 1
Dyn/ang	
Angio	= no
Quantitative flow	= no
Manual start	= no
Dynamic study	= no
Flow labelling	= none
Postproc	
Preparation phases	= auto
B0 field map	= no
MIP/MPR	= no
Images	=
0: M no no no	
Autoview image	= M
Reference tissue	= Grey matter
Preset window contrast	= soft
Reconstruction mode	= real time
Save raw data	= no
Push to workstation	= no
Hardcopy protocol	= no
Ring filtering	= yes
Offc/ang	
Stacks	= 3
current	= A

Stack Offc. AP (P=+mm) = -20.00
 RL (L=+mm) = 0.00
 FH (H=+mm) = 20.00
Ang. AP (deg) = 0.00
 RL (deg) = 0.00
 FH (deg) = 0.00

Info

SAR (W/kg) / SAR level = 0.3 / 0
PNS / PNS level = 16 % / normal
Total scan duration = 00:31.5
Measured voxel size M / P / S (mm) = 0.98 / 1.95 / 10.0
Reconstructed voxel size M / P / S (mm) = 0.98 / 0.98 / 10.0
Actual scan percentage (%) = 50.0
TFE shots = 2
TFE shot duration (ms) / TFE acq duration (ms) = 1166.4 / 712.6
TFE shot interval (ms) = 1166.4
Minimum prepulse TI delay = 402.8
Act. Water fat shift (pixels) / Act. BW per pixel (Hz) = 3.500 / 124.1
Min. Water fat shift (pixels) / Max. BW per pixel (Hz) = 1.044 / 415.8
Act. TR / TE (ms) = 11 / 4.6
Min. TR / TE (ms) = 11 / 2.4
Relative signal level RSL (%) = 100.0

User defined 1 , ADNI_3T , Ref/SHC

Geometry

Coil mode = SENSE
Coil connection = d
Foldover suppression = no
Stack Offc. AP (P=+mm) = 0.00
 RL (L=+mm) = 0.00
 FH (H=+mm) = 0.00
Patient position = head first
 orientation = supine
Respiratory compensation = no
NSA = 3
Manual start = no

Contrast

Coil mode = SENSE
Coil connection = d
Foldover suppression = no
Stack Offc. AP (P=+mm) = 0.00
 RL (L=+mm) = 0.00
 FH (H=+mm) = 0.00
Patient position = head first
 orientation = supine
Respiratory compensation = no
NSA = 3
Manual start = no

Motion

Coil mode = SENSE
Coil connection = d
Foldover suppression = no
Stack Offc. AP (P=+mm) = 0.00
 RL (L=+mm) = 0.00
 FH (H=+mm) = 0.00
Patient position = head first
 orientation = supine
Respiratory compensation = no
NSA = 3
Manual start = no

Dyn/ang

Coil mode = SENSE
Coil connection = d
Foldover suppression = no
Stack Offc. AP (P=+mm) = 0.00
 RL (L=+mm) = 0.00
 FH (H=+mm) = 0.00
Patient position = head first
 orientation = supine
Respiratory compensation = no
NSA = 3
Manual start = no

Postproc

Coil mode = SENSE

Coil connection = d
Foldover suppression = no
Stack Offc. AP (P=+mm) = 0.00
 RL (L=+mm) = 0.00
 FH (H=+mm) = 0.00
Patient position = head first
 orientation = supine
Respiratory compensation = no
NSA = 3
Manual start = no

Offc/ang
Coil mode = SENSE
Coil connection = d
Foldover suppression = no
Stack Offc. AP (P=+mm) = 0.00
 RL (L=+mm) = 0.00
 FH (H=+mm) = 0.00
Patient position = head first
 orientation = supine
Respiratory compensation = no
NSA = 3
Manual start = no

Info

SAR (W/kg) / SAR level = 0.2 / 0
PNS / PNS level = 31 % / normal
Total scan duration = 00:50.6
Measured voxel size M / P / S (mm) = 4.69 / 6.00 / 6.00
Reconstructed voxel size M / P / S (mm) = 4.69 / 4.69 / 3.00
Actual scan percentage (%) = 78.1
Number of packages = 1
Act. Water fat shift (pixels) / Act. BW per pixel (Hz) = 0.170 / 2553.6
Min. Water fat shift (pixels) / Max. BW per pixel (Hz) = 0.167 / 2604.2
Act. TR / TE (ms) = 8.0 / 0.80
Relative signal level RSL (%) = 100.0

User defined 1 , ADNI_3T , MPRAGE

Geometry

Coil selection = SENSE-head
coil mode = SENSE
connection = d
FOV (mm) = 256.00
RFOV (%) = 94.00
Foldover suppression = no
Matrix scan = 256
reconstruction = 256
Scan percentage (%) = 100.00
SENSE = yes
P reduction (AP) = 1.00
S reduction (RL) = 1.00
body tuned = no
Overcontiguous slices = no
Stacks = 1
slices = 170
slice thickness (mm) = 1.20
slice orientation = sagittal
foldover direction = AP
fat shift direction = F
use geometry = none
Chunks = 1
PlanAlign = no
REST slabs = 0
Catheter tracking = no
Interactive positioning = no
Allow table movement = no
Patient position = head first
orientation = supine

Contrast

Scan mode = 3D
technique = FFE
Contrast enhancement = T1
Acquisition mode = cartesian
Fast Imaging mode = TFE
shot mode = multi-shot
TFE factor = 240
startup echoes = default
shot interval = user defined
(ms) = 3000.00
profile order = linear
turbo direction = Y
randomized shots = no
Echoes = 1
partial echo = no
shifted echo = no
TE = shortest
Flip angle (deg) = 8.00
TR = shortest
Half Scan = no
Water fat shift = user defined
(pixels) = 1.800

Shim	= auto
SPIR	= no
SPAIR	= no
TFE prepulse	= invert
slice selection	= no
delay	= shortest
ProSet	= no
MTC	= no
T2prep	= no
Research prepulse	= no
diffusion mode	= no
SAR mode	= high
B1 mode	= default
PNS mode	= low
gradient mode	= maximum
SofTone mode	= no
Motion	
Cardiac synchronisation	= no
Respiratory compensation	= no
Navigator respiratory comp	= no
Flow compensation	= no
fMRI echo stabilisation	= no
NSA	= 1
Dyn/ang	
Angio	= no
Quantitative flow	= no
Manual start	= no
Dynamic study	= no
Flow labelling	= none
Postproc	
Preparation phases	= auto
B0 field map	= no
MIP/MPR	= no
Images	=
0: M no no no	
Autoview image	= M
Reference tissue	= Grey matter
Preset window contrast	= soft
Reconstruction mode	= real time
Save raw data	= no
Push to workstation	= no
Hardcopy protocol	= no
Ringing filtering	= yes
Offc/ang	
Stacks	= 1
Stack Offc. AP (P=+mm)	= 0.00
RL (L=+mm)	= 0.00
FH (H=+mm)	= 0.00
Ang. AP (deg)	= 0.00
RL (deg)	= 0.00
FH (deg)	= 0.00
Info	

SAR (W/kg) / SAR level = 0.2 / 0
PNS / PNS level = 54 % / normal
Total scan duration = 09:22.7
Measured voxel size M / P / S (mm) = 1.00 / 1.00 / 1.20
Reconstructed voxel size M / P / S (mm) = 1.00 / 1.00 / 1.20
Actual scan percentage (%) = 100.0
TFE shots = 187
TFE shot duration (ms) / TFE acq duration (ms) = 1682.8 / 1641.4
Minimum prepulse TI delay = 853.5
Act. Water fat shift (pixels) / Act. BW per pixel (Hz) = 1.800 / 241.3
Min. Water fat shift (pixels) / Max. BW per pixel (Hz) = 0.667 / 651.0
Act. TR / TE (ms) = 6.8 / 3.3
Relative signal level RSL (%) = 100.0

User defined 1 , ADNI_3T , Double_TSE

Geometry

Coil selection = SENSE-head
coil mode = SENSE
connection = d
FOV (mm) = 240.00
RFOV (%) = 88.00
Foldover suppression = no
Matrix scan = 256
reconstruction = 256
Scan percentage (%) = 100.00
SENSE = yes
P reduction (RL) = 1.00
body tuned = no
Stacks = 1
type = parallel
slices = 48
slice thickness (mm) = 3.00
slice gap = user defined
gap (mm) = 0.00
slice orientation = transverse
foldover direction = RL
fat shift direction = P
use geometry = none
Minimum number of packages = 1
Slice scan order = default
PlanAlign = no
REST slabs = 0
Catheter tracking = no
Interactive positioning = no
Allow table movement = no
Patient position = head first
orientation = supine

Contrast

Scan mode = MS
technique = SE
Modified SE = no
Acquisition mode = cartesian
Fast Imaging mode = TSE
TSE factor = 12
startup echoes = 0
profile orders = default
DRIVE = no
ultrashort = no
randomized shots = no
strong FID crushing = no
Echoes = 2
partial echo = no
TE first = shortest
second (ms) = 96.00
Flip angle (deg) = 90.00
Refocusing control = no
TR = user defined
(ms) = 3000.00

Half Scan	= no
Water fat shift	= maximum
Shim	= no
SPIR	= no
SPAIR	= no
BB pulse	= no
ProSet	= no
MTC	= no
Research prepulse	= no
Zoom imaging	= no
diffusion mode	= no
SAR mode	= high
B1 mode	= user defined
amplitude (uT)	= 10.50
PNS mode	= moderate
gradient mode	= default
SofTone mode	= no

Motion	
Cardiac synchronisation	= 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
Flow labelling	= none

Postproc	
Preparation phases	= auto
B0 field map	= no
MIP/MPR	= no
Images	=
0: M no no no	
Autoview image	= M
Calculated images	=
0: no no no no	
Reference tissue	= White matter
Preset window contrast	= soft
Reconstruction mode	= immediate
Save raw data	= no
Push to workstation	= no
Hardcopy protocol	= no

Offc/ang	
Stacks	= 1
Stack Offc. AP (P=+mm)	= 0.00
RL (L=+mm)	= 0.00
FH (H=+mm)	= 0.00
Ang. AP (deg)	= 0.00
RL (deg)	= 0.00
FH (deg)	= 0.00

Info

SAR (W/kg) / SAR level = 2.7 / 1
PNS / PNS level = 36 % / normal
Total scan duration = 05:33.0
Measured voxel size M / P / S (mm) = 0.94 / 0.97 / 3.00
Reconstructed voxel size M / P / S (mm) = 0.94 / 0.94 / 3.00
Actual scan percentage (%) = 96.4
Number of packages = 3
Minimum slice gap = 3.00
Optimal number of slices = 34
Maximum number of slices = 51
Water fat shift (pixels) / BW per pixel (Hz) = 2.535 / 171.3
TSE echo spacing / shot duration (ms) = 10.1 / 121
Min. TR (ms) = 2712
Relative signal level RSL (%) = 100.0

