

ADNI , ADNI\_SH , 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 = 42  
    startup echoes = default  
    shot interval = shortest  
    profile order = linear  
Echoes = 1  
    partial echo = no  
    shifted echo = no  
TE = shortest  
Flip angle (deg) = 20.00  
TR = user defined

(ms)	= 15.00
Half Scan	= no
Water fat shift	= maximum
Shim	= no
SPIR	= no
SPAIR	= no
TFE prepulse	= invert
slice selection	= no
shared	= no
delay	= shortest
ProSet	= no
MTC	= no
T2prep	= no
Research prepulse	= no
diffusion mode	= no
SAR mode	= high
B1 mode	= default
gradient mode	= regular
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	= White matter
Preset window contrast	= soft
Reconstruction mode	= immediate
Save raw data	= no
Push to workstation	= no
Hardcopy protocol	= no
Ringing filtering	= no
Offc/ang	
Stacks	= 3
current	= A
Stack Offc. AP (P=+mm)	= -20.00
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 = 0.3 / 0  
Total scan duration = 00:17.4  
Measured voxel size M / P / S (mm) = 0.98 / 1.98 / 10.0  
Reconstructed voxel size M / P / S (mm) = 0.98 / 0.98 / 10.0  
Actual scan percentage (%) = 49.2  
TFE shots = 3  
TFE shot duration (ms) / TFE acq duration (ms) = 697.1 / 630.0  
TFE shot interval (ms) = 697.1  
Minimum prepulse TI delay = 372.8  
Act. Water fat shift (pixels) / Act. BW per pixel (Hz) = 1.161 / 187.1  
Min. Water fat shift (pixels) / Max. BW per pixel (Hz) = 0.522 / 415.8  
Act. TR / TE (ms) = 15 / 5.2  
Min. TR / TE (ms) = 10 / 5.2  
Relative signal level RSL (%) = 100.0

ADNI , ADNI\_SH , 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 = 0.3 / 0  
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) = 0.110 / 1973.9  
Min. Water fat shift (pixels) / Max. BW per pixel (Hz) = 0.083 / 2604.2  
Act. TR / TE (ms) = 8.0 / 0.81  
Relative signal level RSL (%) = 100.0

ADNI , ADNI\_SH , MPRAGE

Geometry

Coil selection = SENSE-head  
coil mode = SENSE  
connection = d  
FOV (mm) = 240.00  
RFOV (%) = 100.00  
Foldover suppression = no  
Matrix scan = 192  
reconstruction = 256  
Scan percentage (%) = 100.00  
SENSE = yes  
P reduction (AP) = 1.00  
S reduction (RL) = 1.00  
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 = 192  
startup echoes = default  
shot interval = user defined  
(ms) = 2300.00  
profile order = linear  
turbo direction = Y  
Echoes = 1  
partial echo = no  
shifted echo = no  
TE = user defined  
(ms) = 4.00  
Flip angle (deg) = 8.00  
TR = shortest  
Half Scan = no  
Water fat shift = maximum  
Shim = no  
SPIR = no

SPAIR	= no
TFE prepulse	= invert
slice selection	= no
delay	= user defined
(ms)	= 1000.00
ProSet	= no
MTC	= no
T2prep	= no
Research prepulse	= no
diffusion mode	= no
SAR mode	= high
B1 mode	= default
gradient mode	= default
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	= White matter
Preset window contrast	= soft
Reconstruction mode	= immediate
Save raw data	= no
Push to workstation	= no
Hardcopy protocol	= no
Ring 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	= 0.1 / 0
Total scan duration	= 07:11.9

Measured voxel size M / P / S (mm) = 1.25 / 1.25 / 1.20  
Reconstructed voxel size M / P / S (mm) = 0.94 / 0.94 / 1.20  
Actual scan percentage (%) = 100.0  
TFE shots = 187  
TFE shot duration (ms) / TFE acq duration (ms) = 1833.9 / 1654.5  
Minimum prepulse TI delay = 864.3  
Act. Water fat shift (pixels) / Act. BW per pixel (Hz) = 1.322 / 164.2  
Min. Water fat shift (pixels) / Max. BW per pixel (Hz) = 0.250 / 868.1  
Act. TR / TE (ms) = 8.6 / 4.0  
Min. TR / TE (ms) = 8.6 / 3.0  
Relative signal level RSL (%) = 100.0

ADNI , ADNI\_SH , 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  
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 = 10  
    startup echoes = 0  
    profile orders = default  
    DRIVE = no  
    ultrashort = no  
Echoes = 2  
    partial echo = no  
TE first = user defined  
    (ms) = 12.00  
    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

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Shim                = no
SPIR                = no
SPAIR              = no
BB pulse           = no
ProSet             = no
MTC                = no
Research prepulse  = no
Zoom imaging       = no
diffusion mode     = no
SAR mode           = low
Bl mode            = default
gradient mode      = regular
SoftTone 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 = 1.1 / 0
Total scan duration     = 06:45.0
Measured voxel size     M / P / S (mm) = 0.94 / 0.95 / 3.00
Reconstructed voxel size M / P / S (mm) = 0.94 / 0.94 / 3.00

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Actual scan percentage (%) = 98.2  
Number of packages = 3  
Minimum slice gap = 3.00  
Optimal number of slices = 42  
Maximum number of slices = 63  
Water fat shift (pixels) / BW per pixel (Hz) = 1.323 / 164.1  
TSE echo spacing / shot duration (ms) = 12.0 / 120  
Min. TR (ms) = 2201  
Relative signal level RSL (%) = 100.0

