

UAB NEURO , MITT2 , DTI

Geometry

Coil selection = SENSE-hea

coil mode = SENSE

connection = d

FOV (mm) = 230.00 ✓

RFOV (%) = 100.00 ✓

Foldover suppression = no

Matrix scan = 112

reconstruction = 128

Scan percentage (%) = 80.00

SENSE = yes

P reduction (AP) = 2.00

body tuned = no

Stacks = 1

type = parallel

slices = 34 → as high as possible (440)

slice thickness (mm) = 3.00 ✓

slice gap = user defir

gap (mm) = 0.00 ✓

slice orientation = ~~transverse~~

foldover direction = AP ✓

fat shift direction = p ✓

use geometry = none

Minimum number of packages = 1

Slice scan order = default

PlanAlign = no

REST slabs = 0

Interactive positioning = no

Patient position = head first

orientation = supine

Contrast

Scan mode = MS

technique = SE

Modified SE = no

Fast Imaging mode = EPI ✓

shot mode = single sho ✓

Echoes = 1

partial echo = no

TE (ms) = 87.00

Flip angle (deg) = 90.00

TR = shortest

Half Scan = yes

factor = 0.681

Water fat shift = minimum

Shim = auto

SPIR = fat sup.

frequency offset = default

SPAIR = no

RB pulse = no

ProSet = no

MTC = no

Research prepulse = no

diffusion mode = DTI

sequence = SE

gradient duration = maximum

gradient overplus = no

directional resolution = medium

managed to GE

→ SMASH or GRAPPA or SENSE

look for file (reload patient data)

→ as high as possible (440)

google: Gradient table creator JAVA applet
Jonathan Penn L-benett.com

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nr of b-factors           = 2
b-factor order           = ascending
max b-factor             = 1000 ✓
average high b          = yes
SAR mode                 = high
Bl mode                  = default
PNS mode                 = low
gradient mode            = default
SoftTone mode            = no

Motion
Cardiac synchronisation  = no
Respiratory compensation = no
Navigator respiratory comp = no
Flow compensation        = no
Temporal slice spacing   = default
NSA                      = 1

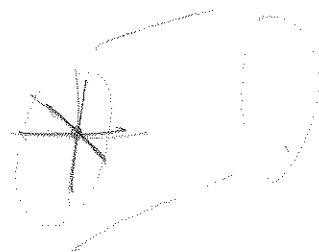
Dyn/ang
Manual start             = no
Dynamic study             = no
  dyn. stabilization     = no
Flow labelling           = none

Postproc
Preparation phases       = auto
MIP/MPR                  = no
Images                   =
  0: M no no no
Autoview image           = M
Calculated images        =
  0: no no no no
Reference tissue         = Grey matter
EPI 2D phase correction  = no
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)   = -12.31
                   RL (L=+mm) = 5.92
                   FH (H=+mm) = 15.96
  Ang. AP (deg)          = -0.00
                   RL (deg)   = -0.77
                   FH (deg)   = 2.44

Info
SAR (W/kg) / SAR level  = 0.8 / 0
PNS / PNS level         = 57 % / normal
Total scan duration     = 03:46.8
Measured voxel size     M / P / S (mm) = 2.05 / 2.62 / 3.00
Reconstructed voxel size M / P / S (mm) = 1.80 / 1.80 / 3.00
Actual scan percentage (%) = 78.3
Number of packages      = 1
Minimum slice gap       = 0.00
Diffusion gradient timing DELTA / delta (ms) = 43.1 / 31.3

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★

} 0.

EPI factor = 47
Water fat shift (pixels) / BW per pixel (Hz) = 15.941 / 27.2
Bandwidth per pixel in EPI read out direction (Hz) = 1830.7
Act. TR (ms) = 4629
Relative signal level RSL (%) = 100.0