\\MARTINOS DEVELOPER\HUBER\3rd_order_shim_tests_with_Gunjan\20250723_3rd_order\dzne_ep3d_3rd_order_shim_test_es1p01

TA: 4:48 min Coil Selection: Auto Voxel Size: 0.8×0.8×0.8 mm³ Acc:: 3 Rel. SNR: 1.00

Properties

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Disable auto transfer to PACS	Off
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
Graphic segment	Default
Inline Movie	Off

Routine

Slab Group	1
Slabs	1
Position	R1.9 P2.5 H6.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	36
Slice Oversampling	0.0 %
FOV Read	175 mm
FOV Phase	100.0 %
Slice Thickness	0.84 mm
TR	72.1 ms
Vol. TR	2595.6 ms
TE 1	25.50 ms
Averages	1
Multi-echo Shots	1
AutoAlign	---

Contrast - Common

TR	72.1 ms
Vol. TR	2595.6 ms
TE 1	25.50 ms
Multi-echo spacing	53.40 ms
MTC	Off
Flip Angle	15 deg
Fat-Water Contrast	Standard
Contrasts	1
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Measurements	100
Pause after Meas.	0.0 s
Reordering	Linear

Resolution - Common

FOV Read	175 mm
FOV Phase	100.0 %
Slice Thickness	0.84 mm
Base Resolution	206
Phase Resolution	100 %
Slice Resolution	100 %
Interpolation	Off

Resolution - Acceleration

Acceleration Mode	CAIPIRINHA
CAIPIRINHA Mode	Free
Reference Scans	GRE/Separate
Acceleration Factor PE	1
Reference Lines PE	63
Acceleration Factor 3D	3
Reference Lines 3D	36
Reordering Shift 3D	1
Phase Partial Fourier	6/8
Slice Partial Fourier	Off

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	Off
Normalize	Off
Image Filter	Off

Geometry - Common

Slab Group	1
Slabs	1
Position	R1.9 P2.5 H6.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
Slices per Slab	36
Slice Oversampling	0.0 %
FOV Read	175 mm
FOV Phase	100.0 %
Slice Thickness	0.84 mm
TR	72.1 ms
Vol. TR	2595.6 ms
Multi-echo Shots	1

Geometry - AutoAlign

Slab Group	1
Position	R1.9 P2.5 H6.8 mm
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	---
Initial Position	R1.9 P2.5 H6.8

Geometry - AutoAlign

R	1.9 mm
P	2.5 mm
H	6.8 mm
Initial Orientation	Transversal
Initial Rotation	0.00 deg

Geometry - Saturation

Saturation Mode	Standard

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	0 mm
Table Position	H

System - Miscellaneous

Coil Selection	Auto Coil Select
Radial Sorting	Off
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combination	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Brain
B1 Shim	TrueForm
Adjustment Tolerance	Auto
Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

! Position	R1.9 P0.0 H6.2 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	150 mm
! R >> L	175 mm
! F >> H	49 mm
Reset	Off

System - pTx

B1 Shim	TrueForm
Excitation	Slab-sel.

System - Tx/Rx

Frequency 1H	297.118707 MHz
? Ref. Amplitude 1H	0.000 V
Reset	Off
Image Scaling	1.000

Sequence - Part 1

Sequence Name	ep 256d7d0
Dimension	3D
Excitation	Slab-sel.
RF Pulse Type	Normal
Gradient Mode	Normal
Reordering	Linear
Bandwidth	1104 Hz/Px
Echo Spacing	1.01 ms
Segmentation	3
EPI Factor	52

Sequence - Part 2

Introduction	On
RF Spoiling	On

Sequence - Special

PAT ref. FA	3 deg
RF duration	2000 us
RF BWT product	8
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Noise dummy shots	-1
CHECK FLIP ANGLE!	On
Integrated PC	Off
Invert PE	Off
Min. TE w/ PF	On
Dual-polarity	On
Ramp Sampling	On
Ext. trigger/shot	Off
Water Exc.	-none-
Phase Correction	per Series
EPI rise time factor	1.10
G. spoil dephasing[1]	0.0 pi
G. spoil dephasing[2]	4.0 pi
G. spoil dephasing[3]	2.0 pi
Modify Ice Config	On
G-factor map	Off
GRAPPA Regularization	5000 /10^6
Slab Scale	-10 %
RF spoil scheme	Conventional

Sequence - Assistant

SAR Assistant	Off