SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\RenzoHuber\CMRR_HANDS_ON\Renzos_test_protocols\EPI

TA: 2:32 PAT: 3 Voxel size: 0.8×0.8×0.7 mm Rel. SNR: 1.00 USER: BP_ep3d_bold_multiecho_ES_2D_matcl

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L0.0 A13.0 H4.5
Orientation	T > C-28.1
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	6.7 %
Slices per slab	30
FoV read	180 mm
FoV phase	100.0 %
Slice thickness	0.70 mm
TR	83 ms
TE	28 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	A32

Contrast

MTC	Off
Flip angle	10 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	50
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	220
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	99
Accel. factor 3D	1
Ref. lines 3D	32
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Interleaved
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

V32	Off
A32	On
Positioning mode	REF
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
! Ref. amplitude 1H	220.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L1.3 A15.0 H4.8
! Orientation	T > C-25.0
! Rotation	90.00 deg
! A >> P	185 mm
! R >> L	150 mm
! F >> H	56 mm

Physio

1st Signal/Mode	None

BOLD

Motion correction	Off
Spatial filter	Off

Sequence

Introduction	Off
Dimension	3D
Reordering	Linear
Contrasts	1
Bandwidth	988 Hz/Px
Free echo spacing	Off
Echo spacing	1.12 ms
EPI factor	220
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	On
use Ernst angle	Off
Maxwell Correction	Off
log physio files	Off
FFT scale	1.00
z shim	0.00 mT/m*ms
RF duration	3500 us

RF BWTP	25.0
EFFECTIVE TR	2656 ms
PatPartitions	32
EPI phase correction	local
PAT refscan mode	Flash
FlashRef BaseRes	220
FlashRef BW	1000 Hz/px
FlashRef TE	4800 us
FlashRef FA	5 deg
use CAIPI	Off
dummy prepscan time	3 s