SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

VASO binary version 109

\\USER\UserProtocols\Renzo\JiaJia\columns check phdir

TA: 26:11 PAT: 2 Voxel size: 0.7×0.7×1.0 mm Rel. SNR: 1.00 USER: VASO_109

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	R33.7 A7.8 H20.4
Orientation	T > S35.9
Phase enc. dir.	R >> L
Rotation	60.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	12
FoV read	32.7 mm
FoV phase	300.0 %
Slice thickness	0.99 mm
TR	1702.40 ms
TE	26 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	A32

Contrast

Perfusion mode	Picore Q2TIPS
TI2	750 ms
TI1	50 ms
TI1s	50 ms
Flip angle	34 deg
Fat suppr.	Fat sat.
Fat sat. mode	Strong
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	923
Delay in TR	0 ms
Multiple series	Off
Perfusion mode	PICORE Q2T
Inversion time 1	50 ms
Saturation stop time	50 ms
Inversion time 2	750.0 ms
Flow limit	100.0 cm/s

Resolution

Base resolution	46
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Accel. factor 3D	1
Ref. lines 3D	8
Reference scan mode	Separate
Prescan Normalize	Off
Raw filter	Off
Elliptical filter	Off
Hamming	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	Parallel F
Gap	25.0 mm
Thickness	100 mm
Table position	H
Table position	0 mm
Inline Composing	Off

System

V32	Off
A32	On
Positioning mode	FIX
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	R28.2 A11.1 H12.7
! Orientation	Transversal
! Rotation	0.00 deg
! R >> L	89 mm
! A >> P	81 mm
! F >> H	58 mm

Physio

1st Signal/Mode	None

BOLD

Motion correction	Off
Spatial filter	Off

Sequence

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Bandwidth	1026 Hz/Px
Free echo spacing	Off
Echo spacing	1.1 ms
EPI factor	138

RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Ampl	110
BWDTH	150 3.1kHz
thickness	30
use Ernst angle	Off
Maxwell Correction	Off
log physio files	Off
FFT scale	1.00
dummy prepscan time	3 s
z shim	0.00 mT/m*ms
RF duration	1456 us
RF BWTP	25.0
EFFECTIVE TR	20428 ms
PatPartitions	12
EPI phase correction	local
PAT refscan mode	Flash
FlashRef BaseRes	46
FlashRef BW	107 Hz/px
FlashRef TE	7000 us
FlashRef FA	5 deg
use CAIPI	Off

Additional Parameters:
-> GRAPPA Kernel 2x3
-> GRAPPA Regularization (NoisereductionI=5000)
-> Partial Fourier Algorithm = POCS
-> POCS iterations = 8