## SIEMENS MAGNETOM Investigational\_Device\_7T syngo MR B17

\\USER\Feinberglab\Tanja\EPI\_VASO\_BOLD\ep2d\_fid\_VASO

## TA: 1:12 PAT: 2 Voxel size: 1.0×1.0×1.0 mm Rel. SNR: 1.00 USER: ep2d\_fid\_VASO Multi-slice mode Interleaved Properties Series Interleaved Prio Recon Off Before measurement Special sat. None After measurement Table position Н Load to viewer On Table position 0 mm Inline movie Off Inline Composing Off Auto store images On Load to stamp segments Off System Load images to graphic Off T1 On segments M2 On Off Auto open inline display В4 On Start measurement without On М3 On further preparation Off V32 Off Wait for user to start Positioning mode REF Start measurements single **MSMA** S-C-T Routine Sagittal R >> L Slice group 1 Coronal A >> P Slices 1 Transversal F >> H Dist. factor 50 % Save uncombined Off Position Isocenter Coil Combine Mode Sum of Squares Orientation Transversal AutoAlign Phase enc. dir. A >> P Auto Coil Select Default 0.00 deg Rotation Shim mode Standard Phase oversampling 0 % Adjust with body coil Off FoV read 192 mm Confirm freq. adjustment Off FoV phase 100.0 % Assume Silicone Off Slice thickness 1.0 mm ? Ref. amplitude 1H 0.000 V TR 4000.0 ms Adjustment Tolerance Auto TE 1 42 ms Adjust volume TE 2 42 ms Position Isocenter Averages Orientation Transversal Concatenations 0.00 deg Rotation Filter None R >> L 192 mm Coil elements B4;M2,3;T1 A >> P 192 mm Contrast F >> H 1 mm MTC Off Physio Magn. preparation Non-sel. IR 1st Signal/Mode None 1450 ms Flip angle 90 dea Perf Fat suppr. Fat sat. GBP On **PBP** On Averaging mode Long term TTP On Reconstruction Magnitude Original images On Measurements 15 Starting ignore meas 2 Delay in TR 0 ms Multiple series Off Sequence Introduction Off Resolution Contrasts Base resolution 192 Bandwidth 766 Hz/Px Phase resolution 100 % Free echo spacing Off Phase partial Fourier 6/8 Echo spacing 1.39 ms Interpolation Off EPI factor 192 GRAPPA PAT mode RF pulse type Fast Accel. factor PE 2 Gradient mode Fast Ref. lines PE 24 Reference scan mode Separate Distortion Corr. Off Off Prescan Normalize Raw filter Off Elliptical filter Off Off Hamming

Geometry

## SIEMENS MAGNETOM Investigational\_Device\_7T syngo MR B17

\\USER\Feinberglab\Tanja\EPI\_VASO\_BOLD\BP\_grase\_clean\_VASO\_V07\_func\_10132017
TA: 5:24 PAT: Off Voxel size: 1.0×1.0×1.0 mm Rel. SNR: 1.00 USER: BP\_grase\_clean\_VASO\_V07\_101320

Properties Prio Recon	Off	Position Orientation Special sat.	L0.8 A12.2 H37.8 Coronal None
Before measurement After measurement Load to viewer	On	Table position Table position	H 0 mm
Inline movie	Off	Inline Composing	Off
Auto store images	On	System	
Load to stamp segments	Off	System T1	On
Load images to graphic	Off	M2	On
segments		B4	On
Auto open inline display	Off	M3	On
Start measurement without	On	V32	Off
further preparation	0"		
Wait for user to start	Off	Positioning mode	REF
Start measurements	single	MSMA	S-C-T
Routine		Sagittal Coronal	R >> L A >> P
Slab group 1		Transversal	A >> P F >> H
Slabs	1	Save uncombined	Off
Dist. factor	0 %	Coil Combine Mode	Adaptive Combine
Position	L0.8 A12.2 H37.8	AutoAlign	
Orientation	Transversal	Auto Coil Select	Default
Phase enc. dir.	A >> P		
Rotation	0.00 deg 0 %	Shim mode	Standard
Phase oversampling Slice oversampling	0.0 %	Adjust with body coil	Off Off
Slices per slab	8	Confirm freq. adjustment Assume Silicone	Off
FoV read	162 mm	! Ref. amplitude 1H	230.000 V
FoV phase	37.0 %	Adjustment Tolerance	Auto
Slice thickness	1.0 mm	Adjust volume	Auto
TR	4000 ms	Position	L0.8 A12.2 H37.8
TE	69.4 ms	Orientation	Transversal
Averages	1	Rotation	0.00 deg
Concatenations	1	R >> L	162 mm
Filter	None	A >> P	60 mm
Coil elements	B4;M2,3;T1	F >> H	8 mm
Contrast		Physio	
Magn. preparation	Non-sel. IR	1st Signal/Mode	None
TI	1450 ms	1	
Flip angle	180 deg	Composing	
Fat suppr.	Fat sat.	Sequence	
Fat sat. mode	Strong	Introduction	Off
Averaging mode	Long term	Dimension	3D
Reconstruction	Magnitude	Reordering	Centric
Measurements	81	Contrasts	2
Pause after meas.	0.0 s	Bandwidth Echo spacing	1342 Hz/Px 1 ms
Multiple series	Off	spacing	1 1115
Resolution		Turbo factor	5
Base resolution	162	EPI factor	60
Phase resolution	100 %	RF pulse type	Normal
Slice resolution	100 %	Gradient mode	Fast
Slice partial Fourier	5/8	flip angle excit	90
Interpolation	Off	phase encoding	ON
PAT mode	None	Maxwell compensation	Off
	0"	ICE program	single
Prescan Normalize	Off	prepscans	0
Raw filter	Off		
Geometry			
Series	Interleaved		
Sat. region 1			
Thickness	40 mm		
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