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

\\USER\Feinberglab\Tanja\GRASE\_VASO\_FOCI\_20170831\BP\_grase\_clean\_VASO\_V08

TA: 0:00 PAT: Off Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: BP\_grase\_clean\_VASO\_V08 **Thickness** 40 mm Properties Position L5.4 P36.0 H20.9 Prio Recon Off Orientation Coronal Before measurement Special sat. None After measurement Table position Load to viewer On Η Inline movie Off Table position 0 mm Inline Composing Auto store images On Off Load to stamp segments Off System Load images to graphic Off On segments M2 On Off Auto open inline display В4 On Start measurement without On М3 On further preparation Off Off Wait for user to start Start measurements single Positioning mode REF **MSMA** S - C - T Routine Sagittal R >> L Slab group 1 Coronal A >> P Slabs 1 Transversal F >> H Dist. factor 0 % Save uncombined Off Position L3.8 P36.0 F12.8 Coil Combine Mode Adaptive Combine Orientation Transversal AutoAlign Phase enc. dir. A >> P Auto Coil Select Default Rotation 0 deg Phase oversampling 0 % Shim mode Standard 0.0 % Slice oversampling Adjust with body coil Off Slices per slab Confirm freq. adjustment Off FoV read 130 mm Assume Silicone Off FoV phase 30.9 % ! Ref. amplitude 1H 225.000 V Slice thickness 0.8 mm Adjustment Tolerance Auto TR 3000 ms Adjust volume TE 59 ms Position L3.8 P36.0 F12.8 **Averages** 1 Orientation Transversal Concatenations Rotation 0.00 deg Filter None R >> L 130 mm Coil elements B4;M2,3;T1 A >> P 41 mm F >> H 7 mm Contrast Magn. preparation Non-sel. IR 1030 ms TI<sub>1</sub> 1st Signal/Mode None TI2 2530 ms Composing Flip angle 180 deg Fat suppr. Fat sat. Sequence Fat sat. mode Strong Introduction Off Dimension 3D Long term Averaging mode Reordering Centric Reconstruction Magnitude Contrasts 2 Measurements Bandwidth 1144 Hz/Px Pause after meas. 1 0 s Off Multiple series Turbo factor 5 EPI factor 50 Resolution RF pulse type Normal Base resolution 162 Gradient mode Fast 100 % Phase resolution 100 % Slice resolution Phase skip n Slice partial Fourier 5/8 Ampl 1 Interpolation Off **BWDTH** 1 3.1kHz thickness 0 PAT mode None flip angle excit 90 Off Prescan Normalize phase encoding ON Raw filter Off Maxwell compensation Off ICE program Mosaic Geometry Phase skip 0 Series Interleaved

Sat. region 1

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TA: 3.0 s PAT: Off Voxel size: 1.0×1.0×1.0 mm Rel. SNR: 1.00 USER: BP\_grase\_clean\_VASO\_V08\_170912

Properties Properties	0#	Position Orientation	Isocenter Coronal
Prio Recon	Off	Special sat.	None
Before measurement			
After measurement		Table position	H
Load to viewer	On O"	Table position	0 mm
Inline movie	Off	Inline Composing	Off
Auto store images	On	System	
Load to stamp segments	Off	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		V 32	
Wait for user to start	Off	Positioning mode	REF
Start measurements	single	MSMA	S - C - T
Pouting		Sagittal	R >> L
Routine		Coronal	A >> P
Slab group 1		Transversal	F >> H
Slabs	1	Save uncombined	Off
Dist. factor	0 %	Coil Combine Mode	Adaptive Combine
Position	Isocenter	AutoAlign	
Orientation	Transversal	Auto Coil Select	Default
Phase enc. dir.	A >> P	Auto Coli Select	Delault
Rotation	0.00 deg	Shim mode	Standard
Phase oversampling	0 %	Adjust with body coil	Off
Slice oversampling	0.0 %	Confirm freq. adjustment	Off
Slices per slab	8	Assume Silicone	Off
FoV read	130 mm	? Ref. amplitude 1H	0.000 V
FoV phase	30.8 %	Adjustment Tolerance	Auto
Slice thickness	1.0 mm	Adjust volume	Add
TR	3000 ms	Position	Isocenter
TE	52.0 ms	Orientation	Transversal
Averages	1	Rotation	
Concatenations	1	Rotation R >> L	0.00 deg 130 mm
Filter	None		
Coil elements	B4;M2,3;T1	A >> P	40 mm
Con elements	D4,IVIZ,3,1 1	F >> H	8 mm
Contrast		Physio	
Magn. preparation	Non-sel. IR	1st Signal/Mode	None
TI 1	1400.0 ms		
TI 2	2600 ms	Composing	
Flip angle	180 deg	Sequence	
Fat suppr.	Fat sat.	Introduction	Off
Fat sat. mode	Strong	Dimension	3D
		Reordering	Centric
Averaging mode	Long term	Contrasts	2
Reconstruction	Magnitude	Bandwidth	2 1040 Hz/Px
Measurements	1		
Multiple series	Off	Echo spacing	1.1 ms
Resolution		Turbo factor	5
	120	EPI factor	40
Base resolution	130	RF pulse type	Normal
Phase resolution	100 %	Gradient mode	Fast
Slice resolution	100 %		
Slice partial Fourier	5/8	Phase skip	30
Interpolation	Off	Ampl	100
PAT mode	None	BWDTH	300 3.1kHz
	140116	thickness	100
Prescan Normalize	Off	flip angle excit	90
Raw filter	Off	phase encoding	ON
Coometry		Maxwell compensation	Off
Geometry	1	ICE program	single
Series	Interleaved	Phase skip	30
Sat. region 1		That one	55
Thickness	40 mm		
11.10.11.1000			

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