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

\\USER\UserProtocols\Renzo\190907\_MAYLEE\Quin\_pilot\_250\_V1

TA: 1:05 PAT: Off Voxel size: 1.0×1.0×3.0 mm Rel. SNR: 1.00 SIEMENS: tfl				
Properties		Interpolation	Off	
Prio Recon	Off	PAT mode	None	
Before measurement				
After measurement		Image Filter	Off	
Load to viewer	On	Distortion Corr.	Off	
Inline movie	Off	Prescan Normalize	Off	
Auto store images	On	Normalize	Off	
Load to stamp segments	Off	B1 filter	Off	
Load images to graphic	Off	Raw filter	Off	
segments		Elliptical filter	Off	
Auto open inline display	Off	Geometry		
Start measurement without	Off	Multi-slice mode	Sequential	
further preparation	<b>.</b>	Series	Ascending	
Wait for user to start	Off		Ascending	
Start measurements	single	T. 11 22		
1	cirigio	Table position	H	
Routine		Table position	0 mm	
Slice group 1		Inline Composing	Off	
Slices	9	System		
Dist. factor	20 %	V32	Off	
Position	R4.0 A23.3 F1.6	A32	On	
Orientation	S > C-3.6			
Phase enc. dir.	A >> P	Positioning mode	REF	
Rotation	0.00 deg	MSMA	S - C - T	
Slice group 2		Sagittal	R >> L	
Slices	5	Coronal	A >> P	
Dist. factor	80 %	Transversal	F >> H	
Position	L0.0 A31.9 F4.8	Save uncombined	Off	
Orientation	Transversal	Coil Combine Mode	Adaptive Combine	
Phase enc. dir.	A >> P	AutoAlign		
Rotation	0.00 deg	Auto Coil Select	Default	
Slice group 3			·····	
Slices	7	Shim mode	Tune up	
Dist. factor	50 %	Adjust with body coil	Off	
Position	R2.4 P21.6 F0.6	Confirm freq. adjustment	Off	
Orientation	Coronal	Assume Silicone	Off	
Phase enc. dir.	R >> L	! Ref. amplitude 1H	270.000 V	
Rotation	0.00 deg	Adjustment Tolerance	Auto	
Phase oversampling	0 %	Adjust volume		
FoV read	200 mm	Position	Isocenter	
FoV phase	100.0 %	Orientation	Transversal	
Slice thickness	3.0 mm	Rotation	0.00 deg	
TR	3000 ms	R >> L	350 mm	
TE	3.22 ms	A >> P	263 mm	
Averages	1	F >> H	350 mm	
Concatenations	21	Physio		
Filter	None	1st Signal/Mode	None	
Coil elements	A32		·····	
Contrast	7.02	Dark blood	Off	
TD	0 ms	Resp. control	Off	
Magn. preparation	Slice-sel. IR	Inline		
TI	1100 ms	Subtract	Off	
Flip angle	6 deg	Std-Dev-Sag	Off	
Fat suppr.	None	Std-Dev-Sag Std-Dev-Cor	Off	
Water suppr.	None	Std-Dev-Cor Std-Dev-Tra	Off	
		Std-Dev-Tra	Off	
Averaging mode	Long term		Off	
Reconstruction	Magnitude	MIP-Sag MIP-Cor	Off	
Measurements	1	MIP-Cor MIP-Tra		
Multiple series	Each measurement		Off Off	
•		MIP-Time	Off	
Resolution Rase resolution	102	Save original images	On	
Base resolution	192 100 %	1		
Phase resolution	100 %	Sequence		

Off

Phase partial Fourier

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Introduction Dimension Asymmetric echo Bandwidth Flow comp. Echo spacing	On 2D Off 240 Hz/Px No 6.5 ms
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On

\\USER\Use	erProtocols\Renzo\1909	07_MAYLEE\VASO_139MAGE	CSSSI_setup
TA: 16:47 PA	AT: 3 Voxel size: 0.8×0	.8×0.8 mm Rel. SNR: 1.00 US	SER: VASO_139
		I PAT mode	GRAPPA
Properties		Accel. factor PE	3
Prio Recon	Off	Ref. lines PE	45
Before measurement		Accel, factor 3D	1
After measurement			· · · · · · · · · · · · · · · · · · ·
Load to viewer	On	Ref. lines 3D	24
Inline movie	Off	Reference scan mode	Separate
Auto store images	On	Prescan Normalize	Off
Load to stamp segments	Off	Raw filter	Off
	Off		
Load images to graphic	Oli	Elliptical filter	Off
segments	0"	Hamming	Off
Auto open inline display	Off	Geometry	
Start measurement without	On	Multi-slice mode	Interleaved
further preparation		Series	Ascending
Wait for user to start	Off		
Start measurements	single	Special sat.	Parallel F
Pourting		Gap	25.0 mm
Routine		Thickness	100 mm
Slab group 1			
Slabs	1	Table position	Н
Dist. factor	50 %	Table position	0 mm
Position	R1.7 A23.6 H29.9	Inline Composing	Off
Orientation	T > C-8.2 > S-0.3	1	
Phase enc. dir.	A >> P	System	
Rotation	0.00 deg	V32	Off
Phase oversampling	0 %	A32	On
Slice oversampling	8.3 %	D 32 1 1	FIV
Slices per slab	96	Positioning mode	FIX
FoV read	133.0 mm	MSMA	S - C - T
		Sagittal	R >> L
FoV phase	133.3 %	Coronal	A >> P
Slice thickness	0.80 mm	Transversal	F >> H
TR	8324.60 ms	Save uncombined	Off
TE	24 ms	Coil Combine Mode	Sum of Squares
Averages	1	AutoAlign	
Concatenations	1	Auto Coil Select	Default
Filter	None	Auto Coli Select	Delauit
Coil elements	A32	Shim mode	Standard
1	,	Adjust with body coil	Off
Contrast		Confirm freq. adjustment	Off
Perfusion mode	SS-SI VASO	Assume Silicone	Off
TI2	650 ms	! Ref. amplitude 1H	220.000 V
TI1	50 ms		
TI1s	50 ms	Adjustment Tolerance	Auto
Flip angle	4 deg	Adjust volume	D4 0 445 0 1105 0
Fat suppr.	Fat sat.	! Position	R4.8 A15.2 H25.2
Fat sat. mode	Strong	! Orientation	T > C-9.8 > S0.6
rai sai. mode	Strong	! Rotation	90.00 deg
Averaging mode	Long term	! A >> P	190 mm
Reconstruction	Magnitude	! R >> L	140 mm
Measurements	121	! F >> H	77 mm
Delay in TR	0 ms	Di :	
Multiple series	Off	Physio	
		1st Signal/Mode	None
Perfusion mode	PICORE Q2T	BOLD	
Inversion time 1	50 ms		Off
Saturation stop time	50 ms	Motion correction	
Inversion time 2	650.0 ms	Spatial filter	Off
Flow limit	100 cm/s	Sequence	
	100 011/5	Introduction	On
Resolution		Dimension	3D
Base resolution	162		Linear
Phase resolution	100 %	Reordering	
Slice resolution	100 %	Contrasts	1
Phase partial Fourier	6/8	Bandwidth	1144 Hz/Px
	Off	Free echo spacing	Off
Slice partial Fourier	Off	Echo spacing	0.98 ms
i unerooialion	V 711		

Off

Interpolation

EPI factor

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Ampl MAGEC FA ph.skip 4 Robert (the one) MAGEC SS-SI? On Maxwell Correction Off log physio files FFT scale dummy prepscan time z shim RF duration RF BWTP 25.0 Renzo: Delta TI FFFECTIVE TR PatPartitions PAT refscan mode Flash FlashRef BaseRes FlashRef BW FlashRef TE FlashRef FA Use CAIPI  10  12 in deg 14 in deg 15 in deg 16 in deg 17 in s 18 septembre 18 septembre 18 septembre 18 septembre 19 septembr	RF pulse type Gradient mode Excitation RF spoiling	Normal Normal Slab-sel. On
	MAGEC FA ph.skip 4 Robert (the one) MAGEC SS-SI? Maxwell Correction log physio files FFT scale dummy prepscan time z shim RF duration RF BWTP Renzo: Delta TI EFFECTIVE TR PatPartitions EPI phase correction PAT refscan mode FlashRef BaseRes FlashRef BW FlashRef TE FlashRef FA	12 in deg 1 On Off Off Off 2.50 3 s 0.00 mT/m*ms 2000 us 25.0 71 ms 842504 ms 104 local Flash 162 100 Hz/px 7000 us 5 deg