\\USER\UserProtocols\Renzo\mirrored_fingers\Checklist_ok

TA: 1:05 F	PAT: Off Voxel size: 1.0:	×1.0×5.0 mm Rel. SNR: 1.00	SIEMENS: tfl
Properties		Interpolation	Off
Prio Recon	Off	PAT mode	None
Before measurement		Image Filter	Off
After measurement		Distortion Corr.	Off
Load to viewer	On	Prescan Normalize	Off
Inline movie	Off	Normalize	Off
Auto store images	On	B1 filter	Off
Load to stamp segments	Off	Raw filter	Off
Load images to graphic	Off	Elliptical filter	Off
segments		Liliptical litter	Oli
Auto open inline display	Off	Geometry	
Start measurement without	Off	Multi-slice mode	Sequential
further preparation		Series	Ascending
Wait for user to start	Off		
Start measurements	single	Table position	Н
Routine		Table position	0 mm
Slice group 1		Inline Composing	Off
Slices	9	System	
Dist. factor	80 %	V32	Off
Position	L1.0 A18.4 H0.0	N32 A32	On
Orientation	Sagittal	MUZ	OII
Phase enc. dir.	A >> P	Positioning mode	REF
Rotation	0.00 deg	MSMA	S - C - T
Slice group 2	3 1 1 1 3	Sagittal	R >> L
Slices	5	Coronal	A >> P
Dist. factor	80 %	Transversal	F >> H
Position	L0.0 A20.1 H16.4	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	5	Chim made	Tuno un
Slices	7	Shim mode	Tune up Off
Dist. factor	100 %	Adjust with body coil Confirm freq. adjustment	Off
Position	L0.0 P7.0 F2.0	Assume Silicone	Off
Orientation	Coronal	! Ref. amplitude 1H	220.000 V
Phase enc. dir.	R >> L	Adjustment Tolerance	Auto
Rotation	0.00 deg	Adjust volume	Auto
Phase oversampling	0 %	Position	Isocenter
FoV read	200 mm	Orientation	Transversal
FoV phase	100.0 %	Rotation	0.00 deg
Slice thickness	5.0 mm	R >> L	350 mm
TR	3000 ms	A >> P	263 mm
TE	3.17 ms	F >> H	350 mm
Averages	1	ı	500 11111
Concatenations	21	Physio	
Filter	None	1st Signal/Mode	None
Coil elements	A32	Dark blood	Off
Contrast			VII
T TD	0 ms	Resp. control	Off
Magn. preparation	Slice-sel. IR	Inline	
TI	1100 ms		Off
Flip angle	6 deg	Subtract Std Doy Sag	Off
Fat suppr.	None	Std-Dev-Sag	
Water suppr.	None	Std-Dev-Cor Std-Dev-Tra	Off Off
		Std-Dev-Tra Std-Dev-Time	Off Off
Averaging mode	Long term		Off
Reconstruction	Magnitude	MIP-Sag	_
Measurements	1	MIP-Cor MIP-Tra	Off Off
Multiple series	Each measurement		Off Off
Resolution		MIP-Time	Off
Base resolution	192	Save original images	On
Phase resolution	100 %	Coguerra	
Phase resolution Phase partial Fourier	Off	Sequence	
i nase partial Fourier	Oii	1/+	

Introduction Dimension Asymmetric echo Bandwidth Flow comp. Echo spacing	On 2D Off 240 Hz/Px No 6.4 ms
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On

	\\USER\UserProtocols\Renzo\mirrored_fingers\FA4_VASO_122_template			
	TA: 15:22	PAT: 3	Voxel size: 0.8×0.8×1.3 mm Rel. SNR: 1.00	UNKNOWN:
Dramartina			PAT mode	GRAPPA
Properties Prio Recon		Off	Accel. factor PE	3

Properties		PAT mode	GRAPPA
Prio Recon	Off	Accel. factor PE	3
Before measurement		Ref. lines PE	36
After measurement		Accel. factor 3D	1
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
Load images to graphic	Off	Elliptical filter	Off
segments		Hamming	Off
Auto open inline display	Off	Coometry	
Start measurement without	On	Geometry	lata da aya d
further preparation		Multi-slice mode	Interleaved
Wait for user to start	Off	Series	Ascending
Start measurements	single	Special sat.	Parallel F
Routine		Gap	25.0 mm
Slab group 1	_	Thickness	100 mm
Slabs	1	Table position	Н
Dist. factor	50 %	Table position Table position	0 mm
Position	R41.9 A8.1 H9.4	Inline Composing	Off
Orientation	T > S39.8 > C-12.8	Inline Composing	Oli
Phase enc. dir.	P >> A	System	
Rotation	180.00 deg	V32	Off
Phase oversampling	0 %	A32	On
Slice oversampling	9.1 %	Positioning mode	FIX
Slices per slab	22	MSMA	S - C - T
FoV read	130.0 mm	Sagittal	R >> L
FoV phase	100.0 %	Coronal	A >> P
Slice thickness	1.28 mm	Transversal	F >> H
TR	2287.30 ms	Save uncombined	Off
TE	32 ms	Coil Combine Mode	Sum of Squares
Averages	1	AutoAlign	
Concatenations	1	Auto Coil Select	Default
Filter	None		
Coil elements	A32	Shim mode	Standard
Contrast		Adjust with body coil	Off
Perfusion mode	SS-SI VASO	Confirm freq. adjustment	Off
TI2	700 ms	Assume Silicone	Off
TI1	50 ms	! Ref. amplitude 1H	220.000 V
Tl1s	50 ms	Adjustment Tolerance	Auto
Flip angle	4 deg	Adjust volume	
Fat suppr.	Fat sat.	! Position	R36.6 A8.0 H7.8
Fat sat. mode	Weak	! Orientation	T > C-9.1 > S0.9
		! Rotation	0.08 deg
Averaging mode	Long term	! R >> L	86 mm
Reconstruction	Magnitude	! A >> P	136 mm
Measurements	403	! F >> H	58 mm
Delay in TR	0 ms	Physio	
Multiple series	Off	1st Signal/Mode	None
Perfusion mode	PICORE Q2T	BOLD	
Inversion time 1	50 ms		Off
Saturation stop time	50 ms	Motion correction	Off
Inversion time 2	700.0 ms	Spatial filter	Oil
Flow limit	100 cm/s	Sequence	
į –		Introduction	On
Resolution	400	Dimension	3D
Base resolution	162	Reordering	Linear
Phase resolution	100 %	Contrasts	1
Slice resolution	100 %	Bandwidth	1144 Hz/Px
Phase partial Fourier	Off	Free echo spacing	Off
Slice partial Fourier			
	Off	Echo spacing	1 ms
Interpolation	Off	Echo spacing EPI factor	1 ms

RF pulse type Gradient mode Excitation RF spoiling	Normal Fast Slab-sel. On
Ampl BWDTH ph.skip 4 Robert (the one) use Ernst angle 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 use CAIPI	150 150 3.1kHz 30 Off Off Off Off 2.00 3 s 0.00 mT/m*ms 1900 us 25.0 63 ms 54895 ms 24 local Flash 162 100 Hz/px 10000 us 5 deg Off

\\USER\UserProtocols\Renzo\mirrored_fingers\MP2RAGE_slab_0.5x05x0.5_T1

TA: 16:14 PAT: 2 Voxel size: 0.5×0.5×0.5 mm Rel. SNR: 1.00 USER: tfl_wip900b17a				
Properties		Image Filter	Off	
Prio Recon	Off	Distortion Corr.	Off	
Before measurement		Prescan Normalize	Off	
After measurement		Raw filter	Off	
Load to viewer	On	Elliptical filter	Off	
Inline movie	Off	I Empliour milor	011	
Auto store images	On	Geometry		
Load to stamp segments	Off	Multi-slice mode	Single shot	
		Series	Interleaved	
Load images to graphic	Off			
segments		Table position	Н	
Auto open inline display	Off			
Start measurement without	On	Table position	0 mm	
further preparation		Inline Composing	Off	
Wait for user to start	Off	System		
Start measurements	single	V32	Off	
	9			
Routine		A32	On	
Slab group 1		Positioning mode	FIX	
Slabs	1	MSMA	S - C - T	
Dist. factor	50 %	Sagittal	R >> L	
Position	R29.7 A24.9 H37.7	Coronal	A >> P	
Orientation	T > S34.7 > C0.1			
Phase enc. dir.	A >> P	Transversal	F >> H	
Rotation	0.00 deg	Save uncombined	Off	
	0.00 deg 0 %	Coil Combine Mode	Adaptive Combine	
Phase oversampling		AutoAlign		
Slice oversampling	0.0 %	Auto Coil Select	Default	
Slices per slab	72			
FoV read	161 mm	Shim mode	Standard	
FoV phase	100.0 %	Adjust with body coil	Off	
Slice thickness	0.50 mm	Confirm freq. adjustment	Off	
TR	6000 ms	Assume Silicone	Off	
TE	4.13 ms	! Ref. amplitude 1H	277.000 V	
Averages	1	Adjustment Tolerance	Auto	
Concatenations	1	Adjust volume	, 1010	
Filter	None	! Position	R33.3 A18.6 H34.3	
	None	! Orientation	T > C-2.3	
Coil elements	A32			
Contrast		! Rotation	0.00 deg	
Magn. preparation	Non-sel. IR	! R >> L	83 mm	
TI 1	900 ms	! A >> P	152 mm	
		! F >> H	65 mm	
TI 2	2900 ms	Physic		
Flip angle 1	6 deg	Physio		
Flip angle 2	7 deg	1st Signal/Mode	None	
Fat suppr.	None	Dark blood	Off	
Water suppr.	None	Dark blood	OII	
2nd Inversion Contrast	On	Resp. control	Off	
A				
Averaging mode	Long term	Composing		
Reconstruction	Magn./Phase	Sequence		
Measurements	3	Introduction	On	
Pause after meas. 1	0.0 s			
Pause after meas. 2	0.0 s	Dimension	3D	
Multiple series	Each measurement	Elliptical scanning	Off	
•		Asymmetric echo	Off	
Resolution		Contrasts	1	
Base resolution	320	Bandwidth	190 Hz/Px	
Phase resolution	100 %	Flow comp.	No	
Slice resolution	100 %	Echo spacing	8.4 ms	
Phase partial Fourier	Off			
Slice partial Fourier	6/8	RF pulse type	Fast	
		Gradient mode	Fast	
PAT mode	GRAPPA	Excitation	Slab-sel.	
Accel. factor PE	2	RF spoiling	On	
Ref. lines PE	24			
Accel. factor 3D	1	FFT Scale Factor	150 %	
Reference scan mode	Integrated	Morphometry Analysis	Off	

Integrated

Reference scan mode

FID MoCo Logging	Off
FID Coil Phase Corr.	Off
LIN/PAR Swap	On
Ext. INV Pulse	On
Flip Angle	1400
Phase Filter	0 px
Uniform Image	On
Head Mask on UNI	Off
T1 Map	On
Complex Div. Image	On
Denoise Weighting	150
FLAWS	Off