\\USER\RenzoHuber\Lonike\20210720\_XIN\Checklist\_ok

Voxel size: 1.0×1.0×5.0 mm Rel. SNR: 1.00

SIEMENS: tfl

TA: 1:11

PAT: Off

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D (*)		I <u></u>	
Properties	0"	PAT mode	None
Prio Recon	Off	Image Filter	Off
Before measurement		Distortion Corr.	Off
After measurement		Prescan Normalize	Off
Load to viewer	On	Normalize	Off
Inline movie	Off	B1 filter	Off
Auto store images	On	Raw filter	Off
Load to stamp segments	Off	Elliptical filter	Off
Load images to graphic	Off	Linptical litter	Oli
segments		Geometry	
Auto open inline display	Off	Multi-slice mode	Single shot
Start measurement without	Off	Series	Interleaved
further preparation			
Wait for user to start	Off	Table position	Н
Start measurements	single	Table position	0 mm
Routine		Inline Composing	Off
Slice group 1	4.4	System	
Slices	11	V32	Off
Dist. factor	150 %	A32	On
Position	R1.8 A19.9 F14.3	Docition in a rest-t-	DEE
Orientation	Sagittal	Positioning mode	REF
Phase enc. dir.	A >> P	MSMA	S-C-T
Rotation	0.00 deg	Sagittal	R >> L
Slice group 2		Coronal	A >> P
Slices	5	Transversal	F >> H
Dist. factor	100 %	Save uncombined	Off
Position	R2.3 A15.9 H1.4	Coil Combine Mode	Adaptive Combine
Orientation	Transversal	AutoAlign	
Phase enc. dir.	A >> P	Auto Coil Select	Default
Rotation	0.00 deg	Shim mode	Tuno un
Slice group 3			Tune up Off
Slices	7	Adjust with body coil	Off
Dist. factor	200 %	Confirm freq. adjustment Assume Silicone	Off
Position	R1.5 A21.4 F6.6		_
Orientation	Coronal	! Ref. amplitude 1H	220.000 V
Phase enc. dir.	R >> L	Adjustment Tolerance	Auto
Rotation	0.00 deg	Adjust volume	10000001510
Phase oversampling	0 %	! Position	L0.0 A23.4 F1.3
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	213 mm
TE	2.24 ms	! F >> H	189 mm
Averages	1	Physio	
Concatenations	1	1st Signal/Mode	None
Filter	None		
Coil elements	A32	Dark blood	Off
Ton cloments	7.02	Doop control	Off
Contrast		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-Cor	Off
Water suppr.	None	Std-Dev-Tra	Off
Averaging	Long tores	Std-Dev-Time	Off
Averaging mode	Long term	MIP-Sag	Off
Reconstruction	Magnitude	MIP-Cor	Off
Measurements	1	MIP-Tra	Off
Multiple series	Each measurement	MIP-Time	Off
Resolution		Save original images	On
Base resolution	192		·····
Phase resolution	100 %	Sequence	
Phase partial Fourier	Off	Introduction	On
Interpolation	Off	Introduction	Oil
1	<del>2</del>	1/∔	

Dimension Asymmetric echo Bandwidth Flow comp. Echo spacing	2D Allowed 240 Hz/Px No 5.5 ms	
RF pulse type Gradient mode Excitation RF spoiling	Normal Fast Slice-sel.	

\\USER\RenzoHuber\Lonike\20210720\_XIN\VASO\_153\_2D\_NOR\_SEG\_LOW\_run

TA: 15:02 PA	AT: 3 Voxel size: 0.9×0	.9×0.9 mm Rel. SNR: 1.00 US	SER: VASO_153
Dranartica		Prescan Normalize	Off
Prio Page	0"	Raw filter	Off
Prio Recon Before measurement	Off	Elliptical filter	Off
After measurement		Hamming	Off
Load to viewer	On	Geometry	
Inline movie	Off	Multi-slice mode	Interleaved
Auto store images	On	Series	Ascending
Load to stamp segments	Off		
Load images to graphic	Off	Special sat.	Parallel F
segments		Gap	25.0 mm
Auto open inline display	Off	Thickness	100 mm
Start measurement without	On	Table position	Н
further preparation		Table position	0 mm
Wait for user to start	Off	Inline Composing	Off
Start measurements	single	System	
Routine		V32	Off
Slice group 1		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	On
Slices	12		
Dist. factor	0 %	Positioning mode	FIX
Position	L0.6 A22.1 H20.7	MSMA	S - C - T
Orientation	T > C22.0 > S0.9	Sagittal	R >> L
Phase enc. dir.	A >> P	Coronal	A >> P
Rotation	0.00 deg	Transversal	F >> H
Phase oversampling	0 %	Save uncombined	Off
FoV read	160.0 mm	Coil Combine Mode	Sum of Squares
FoV phase	100.0 %	AutoAlign	 D ( )
Slice thickness	0.9 mm	Auto Coil Select	Default
TR	1833.5 ms	Shim mode	Standard
TE	21 ms	Adjust with body coil	Off
Averages	1	Confirm freq. adjustment	Off
Concatenations	1	Assume Silicone	Off
Filter	None	! Ref. amplitude 1H	220.000 V
Coil elements	A32	Adjustment Tolerance	Auto
Contrast		Adjust volume	
Perf / VASO mode	SS-SI VASO	! Position	R3.3 A27.8 H16.7
TI2	1075 ms	! Orientation	T > C16.8
TI1	50 ms	! Rotation	90.00 deg
TI1s	50 ms	! A >> P	225 mm
Flip angle	70 deg	! R >> L	200 mm
Fat suppr.	Fat sat.	! F >> H	29 mm
Fat sat. mode	Strong	Physio	
Averaging mode	Long term	1st Signal/Mode	None
Reconstruction	Magnitude	BOLD	
Measurements	489	DOLD	
Delay in TR	0 ms	Sequence	
Multiple series	Off	Introduction	On
		Contrasts	1
Perfusion mode	PICORE Q2T	Bandwidth	1124 Hz/Px
Inversion time 1	50 ms	Free echo spacing	Off
Saturation stop time Inversion time 2	50 ms 1075 ms	Echo spacing	1.01 ms
Flow limit	1075 ms 100.0 cm/s	EPI factor	178
	100.0 011/5	RF pulse type	Normal
Resolution		Gradient mode	Normal
Base resolution	178		
Phase resolution	100 %	Ampl	120
Phase partial Fourier	6/8	BWDTH	300 3.1kHz
Interpolation	Off	thickness	1000
PAT mode	GRAPPA	Phase skip	0
Accel. factor PE	3	Opt. TI2	1235
Ref. lines PE	27	Volumes per TI	1 110 dog
Reference scan mode	Separate	FatSat flip angle SMS factor	110 deg 1
	· · · · · · · · · · · · · · · · · · ·	Sivio factor	•

log physio filesOffaltern z-shim0 uT/mfixed z-shim0 uT/mEPI phase correctionlocalPAT refscan modesegmentedRF pulse duration2560 usFFT scale1.0

	\\USER\F	RenzoHub	er\Lonike\20210720_XIN\V	ASO_157_3D_re	g5000_FA4_run
TA	\: 14:31	PAT: 3	Voxel size: 0.9×0.9×0.9 mm	Rel. SNR: 1.00	USER: VASO_157

Droportico		PAT mode	GRAPPA
Properties Prio Recon	Off	Accel. factor PE	3
	Oli	Ref. lines PE	33
Before measurement After measurement		Accel. factor 3D	1
Load to viewer	On	Ref. lines 3D	12
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	Oli	Hamming	Off
Auto open inline display	Off	Transming	Oll
Start measurement without	On	Geometry	
further preparation	Oli	Multi-slice mode	Interleaved
Wait for user to start	Off	Series	Ascending
Start measurements	single	0	Develled E
Start measurements	Sirigie	Special sat.	Parallel F
Routine		Gap Thickness	25.0 mm 100 mm
Slab group 1	4		
Slabs Diet factor	1	Table position	H
Dist. factor	50 %	Table position	0 mm
Position	L0.6 A22.1 H20.7	Inline Composing	Off
Orientation	T > C22.0 > S0.9	System	
Phase enc. dir.	A >> P	V32	Off
Rotation	0.00 deg	A32	On
Phase oversampling	0 %		
Slice oversampling	0.0 %	Positioning mode	FIX
Slices per slab	12	MSMA	S - C - T
FoV read	150.0 mm	Sagittal	R >> L
FoV phase	100.0 %	Coronal	A >> P
Slice thickness	0.90 mm	Transversal	F >> H
TR	1609.10 ms	Save uncombined	Off
TE	22 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 Off
TI2	900 ms	Assume Silicone	Off
TI1	50 ms	! Ref. amplitude 1H	220.000 V
TI1s	50 ms	Adjustment Tolerance	Auto
Flip angle	4 deg	Adjust volume	D0 0 407 0 1140 7
Fat suppr.	Fat sat.	! Position	R3.3 A27.8 H16.7
Fat sat. mode	Weak	! Orientation	T > C16.8
		! Rotation	90.00 deg
Averaging mode	Long term	! A >> P	225 mm
Reconstruction	Magnitude	! R >> L	200 mm
Measurements	541	! F >> H	29 mm
Delay in TR	0 ms	Physio	
Multiple series	Off	1st Signal/Mode	None
Perfusion mode	PICORE Q2T	1	
Inversion time 1	50 ms	BOLD	
Saturation stop time	50 ms	Motion correction	Off
Inversion time 2	900.0 ms	Spatial filter	Off
Flow limit	100.0 cm/s	Sequence	
I How littlit	100.0 011//8	Introduction	On
Resolution		Dimension	3D
Base resolution	166	Reordering	Linear
Phase resolution	100 %	Contrasts	1
Slice resolution	100 %	Bandwidth	972 Hz/Px
Phase partial Fourier	6/8	Free echo spacing	Off
Slice partial Fourier	Off	Echo spacing	1.13 ms
Interpolation	Off		
i		EPI factor	166

RF pulse type Gradient mode Excitation RF spoiling	Normal Fast Slab-sel. On
Ampl BWDTH ph.skip 4 Robert (the one) use Ernst angle NORDIC 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	120 150 3.1kHz 1 Off On Off 1.00 3 s 0.00 mT/m*ms 2560 us 25.0 58 ms 19309 ms 12 local Flash 166 100 Hz/px 6500 us 5 deg Off

\\USER\RenzoHuber\Lonike\20210720\_XIN\cubric\_mp2rage\_fatnav\_ICE900\_0p7\_pPF78\_sPF78

TA: 11:58 PAT: 3 Voxel size: 0.7×0.7×0.7 mm Rel. SNR: 1.00 USER: cubric\_mp2rage\_fatnav\_ICE900

Properties		Image Filter	Off
Prio Recon	Off	— Distortion Corr.	Off
Before measurement	Oli	Prescan Normalize	Off
After measurement		Normalize	Off
Load to viewer	On	B1 filter	Off
Inline movie	Off	Raw filter	Off
Auto store images	On	Elliptical filter	Off
Load to stamp segments	Off	Geometry	
Load images to graphic	Off	Multi-slice mode	Single shot
segments		Series	Interleaved
Auto open inline display	Off		
Start measurement without	On	Table position	Н
further preparation		Table position	0 mm
Wait for user to start	Off	Inline Composing	Off
Start measurements	single		011
1	3 -	System	
Routine		V32	Off
Slab group 1	4	A32	On
Slabs	1	Positioning mode	REF
Dist. factor	50 %	MSMA	S - C - T
Position	L0.0 A27.8 F7.0	Sagittal	R >> L
Orientation	Sagittal	Coronal	A >> P
Phase enc. dir.	A >> P	Transversal	F >> H
Rotation	0.00 deg	Save uncombined	Off
Phase oversampling	0 %	Coil Combine Mode	Adaptive Combine
Slice oversampling	0.0 %	AutoAlign	
Slices per slab	256	Auto Coil Select	Default
FoV read	210 mm	Auto Coli Select	
FoV phase	100.0 %	Shim mode	Standard
Slice thickness	0.70 mm	Adjust with body coil	Off
TR	6000 ms	Confirm freq. adjustment	Off
TE	2.39 ms	Assume Silicone	Off
Averages	1	? Ref. amplitude 1H	0.000 V
Concatenations	1	Adjustment Tolerance	Auto
Filter	None	Adjust volume	
Coil elements	A32	! Position	R3.3 A27.8 H16.7
Contrast		! Orientation	T > C16.8
Magn. preparation	Non-sel. IR	! Rotation	90.00 deg
TI 1	800 ms	! A >> P	225 mm
TI 2	2750 ms	! R >> L	200 mm
Flip angle 1	4 deg	! F >> H	29 mm
Flip angle 2	5 deg	Physio	
Fat suppr.	None	1st Signal/Mode	None
Water suppr.	None		
2nd Inversion Contrast	On	Dark blood	Off
		Deep residual	O#
Averaging mode	Long term	Resp. control	Off
Reconstruction	Magn./Phase	Inline	
Measurements	1 Fack	Subtract	Off
Multiple series	Each measurement	Std-Dev-Sag	Off
Resolution		Std-Dev-Cor	Off
Base resolution	300	Std-Dev-Tra	Off
Phase resolution	100 %	Std-Dev-Time	Off
Slice resolution	100 %	MIP-Sag	Off
Phase partial Fourier	Off	MIP-Cor	Off
Slice partial Fourier	7/8	MIP-Tra	Off
Interpolation	Off	MIP-Time	Off
		Save original images	On
PAT mode	GRAPPA		
Accel. factor PE	3	Sequence	
Ref. lines PE	30	Introduction	On
Accel. factor 3D	1	Dimension	3D
Reference scan mode	Integrated	Elliptical scanning	Off
			•

Asymmetric echo Contrasts Bandwidth Flow comp. Echo spacing	Allowed 1 180 Hz/Px No 7.1 ms	
RF pulse type Gradient mode Excitation RF spoiling	Fast Fast Non-sel. On	
FFT Scale Factor LIN/PAR Swap Ext. INV Pulse Flip Angle Uniform Image T1 Map Denoise Weighting Acquire FatNavs FatNav resolution FatNav flip angle	100 % Off On 2000 On On 150 On 2 mm 3.0 degrees	
Train-FatNav delay	20 ms	