\\USER\RenzoHuber\Anna_trt\print\Checklist_ok

TA: 1:05 PAT: Off Voxel size: 1.0×1.0×5.0 mm Rel. SNR: 1.00 SIEMENS: tfl				
Properties		PAT mode	None	
Prio Recon	Off	Image Filter	Off	
Before measurement		Distortion Corr.	Off	
After measurement		Prescan Normalize	Off	
Load to viewer	On Off	Normalize	Off	
Inline movie	Off	B1 filter	Off	
Auto store images	On Off	Raw filter	Off	
Load to stamp segments	Off	Elliptical filter	Off	
Load images to graphic	Off	1 .		
segments	Off	Geometry		
Auto open inline display Start measurement without	Off	Multi-slice mode	Single shot	
	Oii	Series	Interleaved	
further preparation Wait for user to start	Off			
Start measurements	single	Table position	Н	
Start measurements	Single	Table position	0 mm	
Routine		Inline Composing	Off	
Slice group 1		System		
Slices	9	V32	Off	
Dist. factor	80 %	A32	On	
Position	L0.0 A27.3 F14.3			
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	R1.1 A28.9 H44.2	Coil Combine Mode	Adaptive Combine	
Orientation	Transversal	AutoAlign		
Phase enc. dir.	A >> P	Auto Coil Select	Default	
Rotation	0.00 deg	Shim mode	Tune up	
Slice group 3		Adjust with body coil	Off	
Slices	7	Confirm freq. adjustment	Off	
Dist. factor	50 %	Assume Silicone	Off	
Position	R1.5 A28.2 F10.0	! Ref. amplitude 1H	220.000 V	
Orientation	Coronal	Adjustment Tolerance	Auto	
Phase enc. dir.	R >> L	Adjust volume		
Rotation	0.00 deg	! Position	L0.0 A23.4 F1.3	
Phase oversampling	0 %	! Orientation	Transversal	
FoV read	200 mm	! Rotation	0.00 deg	
FoV phase	100.0 %	! R >> L	350 mm	
Slice thickness	5.0 mm	! A >> P	213 mm	
TR	3000 ms	! F >> H	189 mm	
TE	2.24 ms	į.		
Averages	1	Physio	None	
Concatenations	1 None	1st Signal/Mode	None	
Filter	None	Dark blood	Off	
Coil elements	A32			
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 mode	Long term	Std-Dev-Time	Off	
Averaging mode Reconstruction	Long term Magnitude	MIP-Sag	Off	
Measurements	Magnitude	MIP-Cor	Off	
	Each measurement	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	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\Anna_trt\print\mp2rage_iso0.65_iPAT2_angulated

TA: 9:51 PAT: 2	•	7 mm Rel. SNR: 1.00 USER	: mp2rage_wip602B
Proportion		Image Filter	Off
Properties	0"	Distortion Corr.	Off
Prio Recon	Off	Prescan Normalize	Off
Before measurement		Normalize	Off
After measurement		B1 filter	Off
Load to viewer	On	Raw filter	Off
Inline movie	Off	Elliptical filter	Off
Auto store images	On	Emptiour into	0.11
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
	5g.c	System	
Routine		V32	Off
Slab group 1		A32	On
Slabs	1	D32	DEE.
Dist. factor	50 %	Positioning mode	REF
Position	L0.6 P0.0 F9.5	MSMA	<u>S</u> - C - T
Orientation	S > C-1.5 > T-0.9	Sagittal	R >> L
Phase enc. dir.	A >> P	Coronal	A >> P
Rotation	6.75 deg	Transversal	F >> H
Phase oversampling	0 %	Save uncombined	Off
Slice oversampling	0.0 %	Coil Combine Mode	Adaptive Combine
Slices per slab	240	AutoAlign	Head > Brain
FoV read	208 mm	Auto Coil Select	Off
FoV phase	100.0 %	01:	
Slice thickness	0.65 mm	Shim mode	Standard
TR	4500 ms	Adjust with body coil	Off
TE	2.66 ms	Confirm freq. adjustment	Off
Averages	1	Assume Silicone	Off
Concatenations	1	? Ref. amplitude 1H	0.000 V
Filter	None	Adjustment Tolerance	Auto
		Adjust volume	
Coil elements	A32	! Position	L0.4 P5.4 H17.9
Contrast		! Orientation	T > C-6.7
Magn. preparation	Non-sel. IR	! Rotation	-1.75 deg
TI 1	900 ms	! R >> L	139 mm
TI 2	2750 ms	! A >> P	176 mm
Flip angle 1	5 deg	! F >> H	117 mm
Flip angle 2	3 deg	Dhysis	
Fat suppr.	Water excit. normal	Physio	N.
Water suppr.	None	1st Signal/Mode	None
2nd Inversion-Contrast	On	Dark blood	Off
Averaging mode	Long term	Resp. control	Off
Reconstruction	Magnitude	Inline	
Measurements	1		Off
Multiple series	Each measurement	Subtract	_
•		Std-Dev-Sag	Off
Resolution		Std-Dev-Cor	Off
Base resolution	320	Std-Dev-Tra	Off
Phase resolution	100 %	Std-Dev-Time	Off
Slice resolution	100 %	MIP-Sag	Off
Phase partial Fourier	6/8	MIP-Cor	Off
Slice partial Fourier	Off	MIP-Tra	Off
Interpolation	Off	MIP-Time	Off
		Save original images	On
PAT mode	GRAPPA		
Accel. factor PE	2	Sequence	
Ref. lines PE	24	Introduction	On
Accel. factor 3D	1	Dimension	3D
Reference scan mode	Integrated	Elliptical scanning	Off
		Limptical scariffing	Oil

Asymmetric echo Contrasts Bandwidth Flow comp. Echo spacing	Allowed 1 220 Hz/Px No 7.4 ms
RF pulse type Gradient mode Excitation RF spoiling	Fast Fast Non-sel. On
FFT Scale Factor Line/Partition Swap Homodyne Phase Filter Flat Image T1 Map Division Image ExtInvPulseOn OffResFreqInv Invflipangle	100 % Off Off On On Off On Off On Off On On

 $\verb|\USER\RenzoHuber\Anna_trt\print\mp2rage_iso0.65_iPAT2_angulated_multi_echo||$

USER: mp2rage_wip602B

Voxel size: 0.7×0.7×0.7 mm Rel. SNR: 1.00

TA: 10:57

PAT: 2

			pzrago_wipoozb
Properties		Image Filter	Off
Prio Recon	Off	Distortion Corr.	Off
	Oli		
Before measurement		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	Linplical inter	Oll
		Geometry	
Load images to graphic	Off	Multi-slice mode	Single shot
segments		Series	Interleaved
Auto open inline display	Off	Selles	Interieaved
Start measurement without	On		
further preparation	.	Table position	Н
	Off	Table position	0 mm
Wait for user to start		Inline Composing	Off
Start measurements	single		Oli
Routine		System V32	Off
Slab group 1			
Slabs	1	A32	On
Dist. factor	50 %	Positioning mode	FIX
Position	L0.6 P0.0 F9.5		
Orientation	S > C-1.5 > T-0.9	MSMA	S-C-T
		Sagittal	R >> L
Phase enc. dir.	A >> P	Coronal	A >> P
Rotation	6.75 deg	Transversal	F >> H
Phase oversampling	0 %	Save uncombined	Off
Slice oversampling	0.0 %		
Slices per slab	240	Coil Combine Mode	Adaptive Combine
FoV read	208 mm	AutoAlign	Head > Brain
		Auto Coil Select	Off
FoV phase	100.0 %		0
Slice thickness	0.65 mm	Shim mode	Standard
TR	5000 ms	Adjust with body coil	Off
TE 1	1.9 ms	Confirm freq. adjustment	Off
TE 2		Assume Silicone	Off
	4.15 ms		
Averages	1	? Ref. amplitude 1H	0.000 V
Concatenations	1	Adjustment Tolerance	Auto
Filter	None	Adjust volume	
Coil elements	A32	! Position	L0.4 P5.4 H17.9
I	. 10=	! Orientation	T > C-6.7
Contrast		! Rotation	
Magn. preparation	Non-sel. IR		-1.75 deg
TI 1		! R >> L	139 mm
	950 ms	! A >> P	176 mm
TI 2	2750 ms	! F >> H	117 mm
Flip angle 1	5 deg	1	
Flip angle 2	3 deg	Physio	
Fat suppr.	Water excit. normal	1st Signal/Mode	None
Water suppr.	None		
2nd Inversion-Contrast	On	Dark blood	Off
		Resp. control	Off
Averaging mode	Long term	'	
Reconstruction	Magnitude	Inline	
Measurements	1	Subtract	Off
Multiple series	Each measurement	Std-Dev-Sag	Off
Multiple selles	Laon measurement	<u> </u>	
Resolution		Std-Dev-Cor	Off
Base resolution	320	Std-Dev-Tra	Off
		Std-Dev-Time	Off
Phase resolution	100 %	MIP-Sag	Off
Slice resolution	100 %	MIP-Cor	Off
Phase partial Fourier	6/8		_
Slice partial Fourier	Off	MIP-Tra	Off
Interpolation	Off	MIP-Time	Off
		Save original images	On
PAT mode	GRAPPA		
Accel. factor PE	2	Sequence	
Ref. lines PE	_ 24	Introduction	On
Accel. factor 3D	1	Dimension	3D
	•		
Reference scan mode	Integrated	Elliptical scanning	Off
		= 1	

Asymmetric echo Contrasts Bandwidth 1 Bandwidth 2 Flow comp. Readout mode Echo spacing	Allowed 2 540 Hz/Px 540 Hz/Px No Bipolar 7.5 ms
RF pulse type Gradient mode Excitation RF spoiling	Fast Fast Non-sel. On
FFT Scale Factor Line/Partition Swap Homodyne Phase Filter Flat Image T1 Map Division Image Echo Averaging ExtInvPulseOn OffResFreqInv Invflipangle	100 % Off Off On On Off On Off On On On On On On On

\\USE	R\RenzoHuber\Anna_trt\prir	 nt\VASO_151_0.8mm_120s	I_noPO
TA: 16:35 PA	AT: 3 Voxel size: 0.8×0.8×0.	8 mm Rel. SNR: 1.00 US	SER: VASO_151
		I PAT mode	GRAPPA
Properties		- Accel, factor PE	3
Prio Recon	Off	Ref. lines PE	45
Before measurement		Accel, factor 3D	1
After measurement		Ref. lines 3D	24
Load to viewer	On	Reference scan mode	Separate
Inline movie	Off	·····	
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	Geometry	
Start measurement without	On	Multi-slice mode	Interleaved
further preparation		Series	
Wait for user to start	Off	Series	Ascending
Start measurements	single	Special sat.	Parallel F
Poutino		Gap	25.0 mm
Routine		Thickness	100 mm
Slab group 1	4		
Slabs	1	Table position	H
Dist. factor	50 %	Table position	0 mm
Position	L4.8 A29.5 H17.9	Inline Composing	Off
Orientation	T > C6.4	System	
Phase enc. dir.	A >> P	V32	Off
Rotation	0.00 deg	A32	On
Phase oversampling	0 %	A32	OII
Slice oversampling	0.0 %	Positioning mode	REF
Slices per slab	120	MSMA	S - C - T
FoV read	130.0 mm	Sagittal	R >> L
FoV phase	133.3 %	Coronal	A >> P
Slice thickness	0.80 mm	Transversal	F >> H
TR	8964.00 ms	Save uncombined	Off
TE	24 ms	Coil Combine Mode	Sum of Squares
Averages	1	AutoAlign	Head > Brain
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	100 ms	Assume Silicone	Off
TI1		! Ref. amplitude 1H	225.000 V
TI1s	50 ms 50 ms	Adjustment Tolerance	Auto
Flip angle	4 deg	Adjust volume	
Fat suppr.	4 deg Fat sat.	! Position	R1.9 A31.5 H18.9
Fat sat. mode		! Orientation	T > C-1.6
ı aı saı. muue	Strong	! Rotation	90.00 deg
Averaging mode	Long term	! A >> P	174 mm
Reconstruction	Magnitude	! R >> L	130 mm
Measurements	111	! F >> H	107 mm
Delay in TR	0 ms	Physio	
Multiple series	Off	1st Signal/Mode	None
	DIOODE COT	•	HOHE
Perfusion mode	PICORE Q2T	BOLD	
Inversion time 1	50 ms	Motion correction	Off
Saturation stop time	50 ms	Spatial filter	Off
Inversion time 2	100.0 ms	Seguence	
Flow limit	100 cm/s	Sequence	On
Resolution		Introduction	On 3D
Base resolution	162	_ Dimension	
Phase resolution	100 %	Reordering Contrasts	Linear 1
Slice resolution	100 %	Bandwidth	
Phase partial Fourier	6/8	Free echo spacing	1144 Hz/Px Off
Slice partial Fourier	Off	Echo spacing	0.98 ms
Interpolation	Off	Lono spacing	U.3U III3

EPI factor

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RF pulse type Gradient mode Excitation RF spoiling	Normal Fast Slab-sel. On
Ampl 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 use CAIPI	110 12 in deg 1 On Off On 2.00 3 s 0.00 mT/m*ms 2000 us 25.0 71 ms 1075680 ms 120 local Flash 162 100 Hz/px 7000 us 5 deg Off