\\USER\UserProtocols\Emily\search\_for\_Rembrant\Localizer DLPFC

TA: 1:05 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			
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		Series	Ascending
Wait for user to start	Off		
Start measurements	single	Table position	H
Routine		Table position	0 mm
		Inline Composing	Off
Slice group 1 Slices	9		
Dist. factor	200 %	System	~"
Position	R7.2 A19.0 F6.3	V32	Off
Orientation	Sagittal	A32	On
Phase enc. dir.	A >> P	Positioning mode	REF
Rotation	0.00 deg	MSMA	S-C-T
Slice group 2	0.00 deg	Sagittal	R >> L
Slices	5	Coronal	A >> P
Dist. factor	80 %	Transversal	F >> H
Position	R8.2 A20.7 H10.1	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	0.00 deg		
Slices	7	Shim mode	Tune up
Dist. factor	, 200 %	Adjust with body coil	Off
Position	R8.2 A46.4 F8.3	Confirm freq. adjustment	Off
Orientation	Coronal	Assume Silicone	Off
Phase enc. dir.	R >> L	! Ref. amplitude 1H	220.000 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	5.0 mm	Rotation	0.00 deg
TR	3000 ms	R >> L	350 mm
TE	3.17 ms	A >> P	263 mm
Averages	1	F >> H	350 mm
Concatenations	21	Physio	
Filter	None	1st Signal/Mode	None
Coil elements	A32		
1		Dark blood	Off
Contrast	0.000	Resp. control	Off
TD	0 ms	•	
Magn. preparation	Slice-sel. IR	Inline	
TI Elip anglo	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
Reconstruction	Magnitude	MIP-Sag	Off
Measurements	1	MIP-Cor	Off
Multiple series	Each measurement	MIP-Tra	Off
		MIP-Time	Off
Resolution	100	Save original images	On
Base resolution	192	1	
Phase resolution	100 %	Sequence	
Phase partial Fourier	Off	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\Emily\search\_for\_Rembrant\epi\_sms3\_ip2\_2mm\_10\_20GLM

TA: 6:18 PAT: 2 Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 USER: ep2d\_bold\_sms\_mgh\_v22

Properties		Special sat.	None
Prio Recon	Off	Table position	Н
Before measurement		Table position	0 mm
After measurement		Inline Composing	Off
Load to viewer	On	Cyatam	
Inline movie	Off	System	0"
Auto store images	On	V32	Off
Load to stamp segments	Off	A32	On
Load images to graphic	Off	Positioning mode	FIX
segments		MSMA	S - C - T
Auto open inline display	Off	Sagittal	R >> L
Start measurement without	On	Coronal	A >> P
further preparation		Transversal	F >> H
Wait for user to start	Off	Coil Combine Mode	Sum of Squares
Start measurements	single	AutoAlign	
I.	3 -	Auto Coil Select	Default
Routine			
Slice group 1		Shim mode	Standard
Slices	57	Adjust with body coil	Off
Dist. factor	0 %	Confirm freq. adjustment	Off
Position	L0.0 A19.0 H6.2	Assume Silicone	Off
Orientation	Transversal	! Ref. amplitude 1H	220.000 V
Phase enc. dir.	A >> P	Adjustment Tolerance	Auto
Rotation	0.00 deg	Adjust volume	
Phase oversampling	0 %	! Position	R6.3 A29.3 H24.5
FoV read	195 mm	! Orientation	T > C3.0
FoV phase	100.0 %	! Rotation	0.00 deg
Slice thickness	2.0 mm	! R >> L	120 mm
TR	1000 ms	! A >> P	162 mm
TE	23 ms	!F>> H	50 mm
Averages	1	1 :1 >>11	30 11111
Concatenations	1	Physio	
Filter	None	1st Signal/Mode	None
Coil elements	A32	BOLD	
ı	7.02		0.5
Contrast		GLM Statistics	On Off
MTC	Off	Dynamic t-maps	Off
Flip angle	65 deg	Starting ignore meas	0
Fat suppr.	Fat sat.	Ignore after transition	1
Averaging mode	l and tarm	Model transition states	Off
Averaging mode	Long term	Temp. highpass filter	On
Reconstruction	Magnitude	Threshold	4.00
Measurements	360	Paradigm size	20
Delay in TR	0 ms	Meas[1]	Baseline
Multiple series	Off	Meas[2]	Baseline
Resolution		Meas[3]	Baseline
Base resolution	98	Meas[4]	Baseline
Phase resolution	100 %	Meas[5]	Baseline
Phase partial Fourier	Off	Meas[6]	Baseline
Interpolation	Off	Meas[7]	Baseline
	·····	Meas[8]	Baseline
PAT mode	GRAPPA	Meas[9]	Baseline
Accel. factor PE	2	Meas[10]	Active
Ref. lines PE	24	Meas[11]	Active
Reference scan mode	Separate	Meas[12]	Active
		Meas[13]	Active
Distortion Corr.	Off	Meas[14]	Active
Prescan Normalize	Off	Meas[15]	Active
Raw filter	On	Meas[16]	Active
Elliptical filter	Off	Meas[17]	Active
Hamming	Off	Meas[18]	Active
Geometry		Meas[19]	Active
	Interleaved	Meas[20]	Active
Multi-slice mode Series	Interleaved Interleaved	Motion correction	Off
Gelles	micheaveu		
		Spatial filter	Off

#### Sequence

Introduction	Off
Bandwidth	1890 Hz/Px
Free echo spacing	Off
Echo spacing	0.63 ms
EPI factor	98
RF pulse type	Normal
Gradient mode	Fast
Dummy Scans	3
,	· ·
Dummy Scans	4
SMS Factor	3
RF Clip	0
VERSE Factor	1.00
SMS Shift	2
Kernel Size	5x5
Compression Factor	1.00

\\USER\UserProtocols\Emily\search\_for\_Rembrant\FA4\_VASO\_122\_130mmFOV\_GRAPPA\_opti TA: 13:52 PAT: 3 Voxel size: 0.8×0.8×1.0 mm Rel. SNR: 1.00 UNKNOWN:

Descrition		PAT mode	GRAPPA
Properties		Accel. factor PE	3
Prio Recon	Off	Ref. lines PE	48
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	Coometry	
Start measurement without	On	Geometry	lataria accad
further preparation		Multi-slice mode	Interleaved
Wait for user to start	Off	Series	Ascending
Start measurements	single	Special sat.	Parallel R
Develope	•	Gap	25.0 mm
Routine		Thickness	100 mm
Slab group 1			
Slabs	1	Table position	Н
Dist. factor	50 %	Table position	0 mm
Position	L37.2 A26.3 F2.8	Inline Composing	Off
Orientation	Sagittal	System	
Phase enc. dir.	A >> P	System	0"
Rotation	0.00 deg	V32	Off
Phase oversampling	18 %	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	98.8 %	Coronal	A >> P
Slice thickness	1.00 mm	Transversal	F >> H
TR	2514.00 ms	Save uncombined	Off
TE	27 ms	Coil Combine Mode	
Averages	1		Sum of Squares
Concatenations	1	AutoAlign	Default
Filter	None	Auto Coil Select	Default
Coil elements	A32	Shim mode	Standard
ı	<del></del>	Adjust with body coil	Off
Contrast		Confirm freq. adjustment	Off
Perfusion mode	SS-SI VASO	Assume Silicone	Off
TI2	700 ms	! Ref. amplitude 1H	220.000 V
TI1	50 ms	Adjustment Tolerance	Auto
TI1s	50 ms	Adjust volume	. 1010
Flip angle	4 deg	! Position	L28.4 A29.6 F5.0
Fat suppr.	Fat sat.	! Orientation	T > C-0.1
Fat sat. mode	Weak	! Rotation	0.00 deg
		! Rotation	68 mm
Averaging mode	Long term	! K >> L ! A >> P	127 mm
Reconstruction	Magnitude		
Measurements	331	! F >> H	107 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	
		Motion correction	Off
Saturation stop time	50 ms	Spatial filter	Off
Inversion time 2	700.0 ms	Sequence	
Flow limit	100 cm/s		On
Resolution		Introduction	On 3D
Base resolution	172	Dimension	3D Linear
Phase resolution	100 %	Reordering	Linear
Slice resolution	100 %	Contrasts	1
Phase partial Fourier	6/8	Bandwidth	908 Hz/Px
Slice partial Fourier	Off	Free echo spacing	Off
Interpolation	Off	Echo spacing	1.23 ms
	OII	EPI factor	170
•			110

RF pulse type Gradient mode Excitation RF spoiling	Normal Normal 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	180 150 3.1kHz 30 Off Off Off Off 3.00 3 s 0.00 mT/m*ms 2200 us 25.0 73 ms 60336 ms 24 local Flash 172 100 Hz/px 10000 us 5 deg Off