SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\MGH\Diffusion\DTI\DIFFUSION

TA: 2:07 PAT: 2 Voxel size: 1.4x1.4x5.0 mm Rel. SNR: 1.00 USER: ep2d_diff_MGH

Off On Off	Special sat. Set-n-Go Protocol Table position	None
Off		Off
Off		Off
Off	Table position	
	ו מטוכ טטטוווטוו	Н
_	Table position	0 mm
On	Inline Composing	Off
On	System	
Off	System	Off
	Body HEP	On
On	HEA	On
On		
	Positioning mode	REF
_	MSMA	S - C - T
single		R >> L
	Coronal	A >> P
		F >> H
23		Adaptive Combine
20 %		Head > Brain Atlas
R3.0 A3.0 H0.0	Auto Coil Select	Default
T > C-12.5	Shim mode	Standard
A >> P		Off
0.00 deg		Off
0 %		Off
220 mm		0.000 V
100.0 %		Auto
5.00 mm		, 1010
3290 ms		R3.0 A3.0 H0.0
94 ms	Orientation	T > C-12.5
1	Rotation	0.00 deg
1	R >> L	220 mm
Raw filter, Prescan Normalize	A >> P	220 mm
HEA;HEP	F >> H	137 mm
	Physio	
Off		None
None	·····	
Fat sat.	Resp. control	Off
Long torm	Diff	
•	Diffusion mode	MDDW
		2
		0 s/mm²
Oli	b-value 2	1000 s/mm²
	Mosaic	On
160	Noise level	40
100 %	Diff. directions	30
Off	Sequence	
GRAPPA	Introduction	On
	Bandwidth	1420 Hz/Px
	Free echo spacing	Off
	Echo spacing	0.81 ms
	EDI factor	160
		160 Normal
		Fast
		ı ຜວເ
	Sequence Mode	Product
	Diff Grad Table	Single
	Direction Scheme	Single
	Dummy Scans	3
OII	T2 Weighted Images	5
	FFT Scale Factor	1.00
	Diff Grad Mode	XYZ
	R3.0 A3.0 H0.0 T > C-12.5 A >> P 0.00 deg 0 % 220 mm 100.0 % 5.00 mm 3290 ms 94 ms 1 1 Raw filter, Prescan Normalize HEA;HEP Off None Fat sat. Long term Magnitude 0 ms Off	Off Single Positioning mode MSMA Sagittal Coronal Transversal Coil Combine Mode AutoAlign A3.0 A3.0 H0.0 Auto Coil Select T > C-12.5 Shim mode A> P Adjust with body coil 0.00 deg Confirm freq. adjustment 0 % Assume Silicone 220 mm ? Ref. amplitude 1H 100.0 % Adjust volume 290 ms Position 94 ms Orientation 1 Rosalian Raw filter, Prescan Normalize R > L HEA;HEP Physio Off Ist Signal/Mode Ras at. Resp. control Diff Diffusion mode Diff. weightings b-value 1 b-value 1 b-value 2 Mosaic Noise level Diff. directions 6/8 Introduction Bandwidth Free echo spacing Echo spacing Echo spacing Echo spacing Echo spacing

SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\MGH\Diffusion\DTI\DIFFUSION_HighRes

TA: 9:47 PAT: 2 Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 USER: ep2d_diff_MGH

Prio Recon Defore measurement After measurement After measurement Load to viewer Inline movie Off Table position O mm Inline movie Off Table position O mm Inline Composing Off System On System Start measurement without On HEP On HEP On HEP On HEP On HEA On On Start measurement without On HEP On HEA On On On On On On On O	erties		Series	Interleaved
Before measurement		Off	Special sat.	None
Load to viewer On	efore measurement			
Inline movie	ter measurement		Set-n-Go Protocol	Off
Auto store images	oad to viewer C	On	Table position	Н
Load to stamp segments	line movie C	Off		0 mm
Load images to graphic segments Sody		On	Inline Composing	Off
Body			System	
Seginents Successful Auto open inline display On Start measurement without further preparation Wait for user to start Off HEA On Positioning mode REF MSMA S - C - T Start measurements Single Sagittal R > L Coronal A >> P Transversal F > H Coil Combine Mode AutoAlign Head > Brain Atlas Auto Coil Select Default D	3 - 1	Off		Off
Start measurement without further preparation Value of the properation			1	_
Start measurements Start Off MSMA S - C - T				
Wait for user to start Start measurements Single Sagittal R S C T		On		OII
Start measurements		0"	Positioning mode	REF
Routine			_	S - C - T
Slices G4 Coil Combine Mode Adaptive Combine	art measurements s	single		· · · · · =
Silice glutp Silices Dist. factor Dist. factor Dist. factor Dist. factor Position R3.0 A3.0 H0.0 Orientation T > C-12.5 Shim mode Adaptive Combine Head > Brain Atlas Auto Coil Select Default	ine			
Silices 64	ice group 1			
Default Default		64		
Orientation	Dist. factor 0	0 %		
Phase enc. dir.	Position F	R3.0 A3.0 H0.0	Auto Coil Select	Default
Phase enc. dir.		T > C-12.5	Shim mode	Standard
Rotation				Off
Phase oversampling	Rotation 0	0.00 deg		Off
FoV phase 100.0 % Slice thickness 2.00 mm Adjustment Tolerance Auto Adjust volume Position R3.0 A3.0 H0.0 Orientation T > C-12.5 Rotation 0.00 deg R >> L 256 mm Folterance A >> P 256 mm Folterance Adjust volume A >> P 256 mm A >> P				Off
Slice thickness		256 mm	? Ref. amplitude 1H	0.000 V
Slice thickness			Adjustment Tolerance	Auto
TE				
Averages	_		Position	R3.0 A3.0 H0.0
Concatenations 1 Raw filter, Prescan Normalize R >> L 256 mm Coil elements HEA;HEP Physio MTC Off 1st Signal/Mode None Magn. preparation None Resp. control Off Averaging mode Long term Diff Reconstruction Magnitude Diff Delay in TR 0 ms Diff. weightings 2 Multiple series Off b-value 1 0 s/mm² Resolution Mosaic On Base resolution 128 Noise level 40 Phase partial Fourier 6/8 Noise level 40 Interpolation Off Sequence PAT mode GRAPPA Accel. factor PE 2 Ref. lines PE 32 Free echo spacing Off Matrix Coil Mode Auto (Triple) Echo spacing 0.8 ms Reference scan mode Separate EPI factor 128			Orientation	T > C-12.5
Filter	~	1	Rotation	0.00 deg
Coil elements HEA;HEP F >> H 128 mm Contrast Physio Physio MTC Off 1st Signal/Mode None Magn. preparation None Resp. control Off Averaging mode Long term Diff Diff Reconstruction Magnitude Diff. weightings 2 Delay in TR 0 ms Diff. weightings 2 Multiple series Off Diff. weightings 2 Base resolution 100 ms Diff. weightings 2 Physio Noise level 0 s/mm² b-value 2 700 s/mm² b-value 2 700 s/mm² Mosaic On Noise level 40 Phase partial Fourier 6/8 Interpolation Sequence PAT mode GRAPPA Bandwidth 1396 Hz/Px Accel. factor PE 2 Free echo spacing Off Matrix Coil Mode Auto (Triple) Echo spacing 0.8 ms Reference sca		1		
Name				256 mm
MTCOff Magn. preparation Fat suppr.1st Signal/ModeNoneAveraging mode Reconstruction Delay in TR Multiple seriesLong term MagnitudeDiffResolutionDiff. weightings b-value 1 b-value 2 Noise level Interpolation2 700 s/mm² 40 701 signal 702 signal 703 signal/ModeResolution128 Noise level Diff. directionsOn 90 100 % 100 % 100 % 100 % 100 % 100 % 100 % 100 %Diff. directions 100 % 100 % <br< td=""><td>oil elements F</td><td>HEA;HEP</td><td>F >> H</td><td>128 mm</td></br<>	oil elements F	HEA;HEP	F >> H	128 mm
Magn. preparation Fat suppr.None Fat sat.Resp. controlOffAveraging mode Reconstruction Delay in TR Multiple seriesLong term MagnitudeDiff Diffusion mode Diff. weightings b-value 1 b-value 1 b-value 2 Mosaic On Noise level Diff. directions0 s/mm² 0 s/mm² 0 n Noise level Diff. directionsResolution Phase resolution Phase partial Fourier Interpolation128 0 N 0 Mosaic On Noise level Diff. directions40 0 Diff. directionsPAT mode Accel. factor PE Ref. lines PE Matrix Coil Mode Reference scan modeGRAPPA Auto (Triple) Auto (Triple) Echo spacing EPI factorIntroduction Diff. directionsOn On On Bandwidth Echo spacing EPI factorEPI factor128			Physio	
Fat suppr. Fat sat. Resp. control Off Averaging mode Long term Reconstruction Magnitude Delay in TR 0 ms Multiple series Resolution Base resolution Phase resolution Phase partial Fourier Interpolation PAT mode Accel. factor PE Ref. lines PE Ref. lines PE Ref. lines PE Reconstruction Magnitude Diff Diffusion mode MDDW Diff. weightings 2 b-value 1 0 s/mm² b-value 2 700 s/mm² Mosaic On Noise level 40 Diff. directions 60 Introduction On Bandwidth 1396 Hz/Px Free echo spacing Off Echo spacing Off Cept factor Diff Diffusion mode MDDW Diff. weightings 2 b-value 1 0 s/mm² b-value 2 700 s/mm² b-value 2 700 s/mm² Diff. directions On Requence Introduction On Bandwidth 1396 Hz/Px Free echo spacing Off Echo spacing Off Diffusion mode MDDW Diff. weightings Delay in TR Diffusion mode Diffusion Diffusion On Noise level At 0 Diff. directions On Bandwidth Diffusion mode Diffusion On Noise level At 0 Diff. directions On Diffusion Diffu			1st Signal/Mode	None
Averaging mode	•		Dana andrai	O#
Reconstruction Magnitude Delay in TR 0 ms Multiple series Off Resolution Base resolution 128 Phase resolution 100 % Phase partial Fourier 6/8 Interpolation Off PAT mode Accel. factor PE 2 Ref. lines PE 32 Reference scan mode Diffusion mode Diff. weightings 2 b-value 1 0 s/mm² b-value 2 700 s/mm² Noise level 40 Diff. directions 60 Sequence Introduction On Bandwidth 1396 Hz/Px Free echo spacing Off Echo spacing 0.8 ms EPI factor 128	at suppr. F	Fat sat.	Resp. control	Oπ
Reconstruction Delay in TR 0 ms Diff. weightings 2 Multiple series Off Description Descrip	veraging mode	Long term	Diff	
Delay in TR 0 ms Off Diff. weightings 2 b-value 1 0 s/mm² b-value 2 700 s/mm² Mosaic On Noise level 40 Diff. directions 60 Dif		<u> </u>	Diffusion mode	MDDW
Multiple series Resolution Base resolution 128 Phase resolution 100 % Phase partial Fourier 6/8 Interpolation Off PAT mode Accel. factor PE Ref. lines PE Matrix Coil Mode Reference scan mode Resolution Separate B-value 1 b-value 2 700 s/mm² Noise level 40 Diff. directions 60 Noise level 40 Diff. directions 60 Sequence Introduction On Bandwidth 1396 Hz/Px Free echo spacing Off Echo spacing 0.8 ms EPI factor 128			Diff. weightings	2
Resolution Base resolution 128 Noise level 40 Phase resolution 100 % Diff. directions 60 Phase partial Fourier 6/8 Interpolation Off Sequence PAT mode GRAPPA Accel. factor PE 2 Bandwidth 1396 Hz/Px Ref. lines PE 32 Free echo spacing Off Sequence Off Sequence Off Sequence Off Sequence Off Sequence Sequence Off Sequence Sequence Off Sequence Sequence Off Sequence Sequence Sequence Off Sequence Sequence Sequence Off Sequence Sequence Off Sequence Seq			b-value 1	0 s/mm²
Base resolution 128 Phase resolution 100 % Phase partial Fourier 6/8 Interpolation Off Sequence PAT mode GRAPPA Introduction On Bandwidth 1396 Hz/Px Ref. lines PE 32 Matrix Coil Mode Auto (Triple) Reference scan mode Separate Noise level 40 Diff. directions 60 Noise level 70 Noise level	•	•··	b-value 2	700 s/mm²
Phase resolution 100 % Diff. directions 60 Phase partial Fourier 6/8 Interpolation Off Sequence PAT mode GRAPPA Introduction On Bandwidth 1396 Hz/Px Ref. lines PE 32 Free echo spacing Off Matrix Coil Mode Auto (Triple) Echo spacing 0.8 ms Reference scan mode Separate EPI factor 128				On
Phase partial Fourier 6/8 Interpolation Off Sequence PAT mode GRAPPA Introduction On Accel. factor PE 2 Bandwidth 1396 Hz/Px Ref. lines PE 32 Free echo spacing Off Echo spacing 0.8 ms Reference scan mode Separate EPI factor 128		-		
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Reference scan mode Separate EPI factor 128	atrix Coil Mode	Auto (Triple)	Echo spacing	0.8 ms
			FPI factor	128
Distortion Corr. Off RF pulse type Normal	estartion Corr	 ∩ff	RF pulse type	Normal
Prescan Normalize On Gradient mode Fast				
Part files				
Jetanaity West				
Clare Single				
Filipping City				_
Duffility Scalis 5	•			
TZ Weighted images 10	· ·	.		
Geometry FFT Scale Factor 1.00				
Multi-slice mode Interleaved Diff Grad Mode XYZ	ulti-slice mode	Interleaved	Dili Grad Mode	۸۲۷

SIEMENS MAGNETOM TrioTim syngo MR B17

	Table of contents						
\\USER							
	MGH						
		Diffusion	1				
			DTI				
				DIFFUSION			
				DIFFUSION_HighRes			