SIEMENS MAGNETOM TrioTim syngo MR B17

 $\label{local-condition} $$\USER\R\esearch\Tabesh\DKI_2.7mm_2avg_32ch\DKI1$$

TA: 6:32 PAT: 2 Voxel size: 2.7×2.7×2.7 mm Rel. SNR: 1.00 SIEMENS: ep2d_diff				
Properties		Series	Interleaved	
Prio Recon	Off	Special sat.	None	
Before measurement				
After measurement		System		
Load to viewer	On	Body	Off	
Inline movie	Off	HEP	On	
Auto store images	On	HEA	On	
Load to stamp segments	Off	Docitioning mode	FIX	
Load images to graphic	Off	Positioning mode Table position	H	
segments		Table position	0 mm	
Auto open inline display	Off	MSMA	S - C - T	
Start measurement without	On	Sagittal	R >> L	
further preparation		Coronal	A >> P	
Wait for user to start	On .	Transversal	F >> H	
Start measurements	single	Coil Combine Mode	Adaptive Combine	
Routine		Auto Coil Select	Default	
Slice group 1	45	Shim mode	Advanced	
Slices	45	Adjust with body coil	Off	
Dist. factor	0 %	Confirm freq. adjustment	Off	
Position	L0.0 A24.0 H35.6	Assume Silicone	Off	
Orientation	Transversal	? Ref. amplitude 1H	0.000 V	
Phase enc. dir.	A >> P	Adjustment Tolerance	Auto	
Rotation	0.00 deg	Adjust volume	Add	
Phase oversampling	0 %	Position	L0.0 A24.0 H35.6	
FoV read	222 mm	Orientation	Transversal	
FoV phase	100.0 %	Rotation	0.00 deg	
Slice thickness	2.7 mm	R >> L	222 mm	
TR	6100 ms	A >> P	222 mm	
TE	101 ms	F >> H	122 mm	
Averages	1 1	ļ		
Concatenations Filter	Raw filter	Physio		
Coil elements	HEA;HEP	1st Signal/Mode	None	
Contrast	HEA,HEF	Resp. control	Off	
MTC	Off	— Diff		
	None	Diffusion mode	MDDW	
Magn. preparation	Fat sat.	Diff. weightings	3	
Fat suppr.	rai sai.	b-value 1	0 s/mm²	
Averaging mode	Long term	b-value 2	1000 s/mm²	
Reconstruction	Magnitude	b-value 3	2000 s/mm²	
Delay in TR	0 ms	Diff. weighted images	On	
Multiple series	Off	Trace weighted images	On	
Resolution		Average ADC maps	Off	
Base resolution	82	Individual ADC maps	Off	
Phase resolution	100 %	FA maps	Off	
Phase partial Fourier	Off	Mosaic	On	
Interpolation	Off	Tensor	Off	
		Noise level	0	
PAT mode	GRAPPA	Diff. directions	30	
Accel. factor PE	2	Coguenee		
Ref. lines PE	24	Sequence	On	
Matrix Coil Mode	Auto (Triple)	Introduction	On 1356 H - /Dy	
Reference scan mode	Separate	Bandwidth	1356 Hz/Px	
Distortion Corr.	Off	Free echo spacing	Off	
Prescan Normalize	Off	Echo spacing	0.82 ms	
Raw filter	On	EPI factor	82	
Intensity	Weak	RF pulse type	Normal	
Slope	25	Gradient mode	Fast	
Elliptical filter	Off	ı		
Hamming	Off			
Hallining	Oil			
Geometry				

Interleaved

Multi-slice mode

SIEMENS MAGNETOM TrioTim syngo MR B17

 $\verb|\USER\Research\Tabesh\DKI_2.7mm_2avg_32ch\DKI2|$

SIEMENS: ep2d_diff

Voxel size: 2.7×2.7×2.7 mm Rel. SNR: 1.00

PAT: 2

TA: 6:32

Multi-slice mode

TA. 0.32 FA	1. 2 VOXEI SIZE. 2.7 X2.7 X2.7	IIIII Rei. SINN. 1.00 SIE	epzu_uiii
Properties		Series	Interleaved
Prio Recon	Off	Special sat.	None
Before measurement			
After measurement	_	System	
Load to viewer	On	Body	Off
Inline movie	Off	HEP	On
Auto store images	On O#	HEA	On
Load to stamp segments Load images to graphic	Off Off	Positioning mode	FIX
segments	OII	Table position	Н
Auto open inline display	Off	Table position	0 mm
Start measurement without	On	MSMA	S - C - T
further preparation		Sagittal	R >> L
Wait for user to start	On	Coronal	A >> P
Start measurements	single	Transversal	F >> H
Routine		Coil Combine Mode Auto Coil Select	Adaptive Combine Default
Slice group 1		- Auto Con Select	Delauit
Slices	45	Shim mode	Advanced
Dist. factor	0 %	Adjust with body coil	Off
Position	L0.0 A24.0 H35.6	Confirm freq. adjustment	Off
Orientation	Transversal	Assume Silicone	Off
Phase enc. dir.	A >> P	? Ref. amplitude 1H Adjustment Tolerance	0.000 V Auto
Rotation	0.00 deg	Adjust volume	Auto
Phase oversampling	0 %	Position	L0.0 A24.0 H35.6
FoV read	222 mm	Orientation	Transversal
FoV phase Slice thickness	100.0 % 2.7 mm	Rotation	0.00 deg
TR	6100 ms	R >> L	222 mm
TE	100 ms	A >> P	222 mm
Averages	1	F >> H	122 mm
Concatenations	1	Physio	
Filter	Raw filter	1st Signal/Mode	None
Coil elements	HEA;HEP		
Contrast		Resp. control	Off
MTC	Off	Diff	
Magn. preparation	None	Diffusion mode	MDDW
Fat suppr.	Fat sat.	Diff. weightings	3
	Long term	b-value 1	0 s/mm²
Averaging mode Reconstruction	Long term Magnitude	b-value 2	1000 s/mm²
Delay in TR	0 ms	b-value 3 Diff. weighted images	2000 s/mm² On
Multiple series	Off	Trace weighted images	On
		Average ADC maps	Off
Resolution Rase resolution	82	- Individual ADC maps	Off
Base resolution Phase resolution	82 100 %	FA maps	Off
Phase partial Fourier	Off	Mosaic	On
Interpolation	Off	Tensor	Off
		Noise level	0
PAT mode	GRAPPA	Diff. directions	30
Accel. factor PE Ref. lines PE	2 24	Sequence	
Matrix Coil Mode	Auto (Triple)	Introduction	On
Reference scan mode	Separate	Bandwidth	1356 Hz/Px
		Free echo spacing	Off
Distortion Corr.	Off	Echo spacing	0.82 ms
Prescan Normalize	Off	EPI factor	82
Raw filter	On Weak	RF pulse type	Normal
Intensity Slope	vveak 25	Gradient mode	Fast
Elliptical filter	Off	1	
Hamming	Off		
Geometry	Lata da accad	_	

Interleaved

SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\Research\Tabesh\DKI_2.7mm_2avg_32ch\DKI_B0 TA: 1:15 PAT: 2 Voxel size: 2.7×2.7×2.7 mm Rel. SNR: 1.00 SIEMENS: ep2d_diff

Properties		Series	Interleaved
Prio Recon	Off	Special sat.	None
Before measurement			
After measurement		System	
Load to viewer	On	Body	Off
Inline movie	Off	HEP	On
Auto store images	On	HEA	On
Load to stamp segments	Off	Positioning mode	FIX
Load images to graphic	Off	Table position	Н
segments	Off	Table position	0 mm
Auto open inline display Start measurement without	On	MSMA	S - C - T
further preparation	OII	Sagittal	R >> L
Wait for user to start	On	Coronal	A >> P
Start measurements	single	Transversal	F >> H
ı	9	Coil Combine Mode	Adaptive Combine
Routine		Auto Coil Select	Default
Slice group 1 Slices	45	Shim mode	Advanced
Dist. factor	0 %	Adjust with body coil	Off
Position	L0.0 A24.0 H35.6	Confirm freq. adjustment	Off
Orientation	Transversal	Assume Silicone	Off
Phase enc. dir.	A >> P	? Ref. amplitude 1H	0.000 V
Rotation	0.00 deg	Adjustment Tolerance	Auto
Phase oversampling	0 %	Adjust volume	
FoV read	222 mm	Position	L0.0 A24.0 H35.6
FoV phase	100.0 %	Orientation	Transversal
Slice thickness	2.7 mm	Rotation	0.00 deg
TR	6100 ms	R >> L	222 mm
TE	101 ms	A >> P F >> H	222 mm 122 mm
Averages	9	г>>п	122 111111
Concatenations	1	Physio	
Filter	Raw filter	1st Signal/Mode	None
Coil elements	HEA;HEP	Resp. control	Off
Contrast		·	-
MTC	Off	Diff Diffusion mode	MDDW
Magn. preparation	None	Diff. weightings	1
Fat suppr.	Fat sat.	b-value	0 s/mm²
Averaging mode	Long term	Diff. weighted images	On
Reconstruction	Magnitude	Trace weighted images	Off
Delay in TR	0 ms	Average ADC maps	Off
Multiple series	Off	Individual ADC maps	Off
Resolution		FA maps	Off
Base resolution	82	Mosaic	Off
Phase resolution	100 %	Tensor	Off
Phase partial Fourier	Off	Noise level	0
Interpolation	Off	Diff. directions	30
PAT mode	GRAPPA	Sequence	
Accel, factor PE	2	Introduction	On
Ref. lines PE	24	Bandwidth	1356 Hz/Px
Matrix Coil Mode	Auto (Triple)	Free echo spacing	Off
Reference scan mode	Separate	Echo spacing	0.82 ms
Distortion Corr		EPI factor	82
Distortion Corr. Prescan Normalize	Off	RF pulse type	Normal
Raw filter	Off On	Gradient mode	Fast
Intensity	Weak	1	
Slope	25		
Elliptical filter	Off		
Hamming	Off		
1			
Geometry Multi-slice mode	Interleaved		
widiti-slice mode	Interleaved	3/-	