

# SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\Research\Jensen\DKI for ODF paper 20120203\DKI1

TA: 5:41    PAT: 2    Voxel size: 3.0x3.0x3.0 mm    Rel. SNR: 1.00    SIEMENS: ep2d\_diff

## Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

## Routine

Slice group 1	
Slices	40
Dist. factor	0 %
Position	L0.0 A24.0 H35.6
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	222 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	5300 ms
TE	99 ms
Averages	1
Concatenations	1
Filter	Raw filter
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	Fat sat.
-----	
Averaging mode	Long term
Reconstruction	Magnitude
Delay in TR	0 ms
Multiple series	Off

## Resolution

Base resolution	74
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
-----	
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Separate
-----	
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Hamming	Off

## Geometry

Multi-slice mode	Interleaved
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Series Interleaved

Special sat. None

## System

Body	Off
HEP	On
HEA	On

Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default

Shim mode	Advanced
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L0.0 A24.0 H35.6
Orientation	Transversal
Rotation	0.00 deg
R >> L	222 mm
A >> P	222 mm
F >> H	120 mm

## Physio

1st Signal/Mode None

Resp. control Off

## Diff

Diffusion mode	MDDW
Diff. weightings	3
b-value 1	0 s/mm <sup>2</sup>
b-value 2	1000 s/mm <sup>2</sup>
b-value 3	2000 s/mm <sup>2</sup>
Diff. weighted images	On
Trace weighted images	Off
Average ADC maps	Off
Individual ADC maps	Off
FA maps	Off
Mosaic	On
Tensor	Off
Noise level	0
Diff. directions	30

## Sequence

Introduction	On
Bandwidth	1352 Hz/Px
Free echo spacing	Off
Echo spacing	0.82 ms
-----	
EPI factor	74
RF pulse type	Normal
Gradient mode	Fast

# SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\Research\Jensen\DKI for ODF paper 20120203\DKI\_B0

TA: 1:05    PAT: 2    Voxel size: 3.0x3.0x3.0 mm    Rel. SNR: 1.00    SIEMENS: ep2d\_diff

### Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

### Routine

Slice group 1	
Slices	40
Dist. factor	0 %
Position	L0.0 A24.0 H35.6
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	222 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	5300 ms
TE	99 ms
Averages	9
Concatenations	1
Filter	Raw filter
Coil elements	HEA;HEP

### Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	Fat sat.
-----	
Averaging mode	Long term
Reconstruction	Magnitude
Delay in TR	0 ms
Multiple series	Off

### Resolution

Base resolution	74
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
-----	
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Matrix Coil Mode	Auto (Triple)
Reference scan mode	Separate
-----	
Distortion Corr.	Off
Prescan Normalize	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Hamming	Off

### Geometry

Multi-slice mode	Interleaved
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### Series Interleaved

Special sat.	None
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### System

Body	Off
HEP	On
HEA	On
-----	
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Auto Coil Select	Default

Shim mode	Advanced
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	L0.0 A24.0 H35.6
Orientation	Transversal
Rotation	0.00 deg
R >> L	222 mm
A >> P	222 mm
F >> H	120 mm

### Physio

1st Signal/Mode	None
-----	
Resp. control	Off

### Diff

Diffusion mode	MDDW
Diff. weightings	1
b-value	0 s/mm <sup>2</sup>
Diff. weighted images	On
Trace weighted images	Off
Average ADC maps	Off
Individual ADC maps	Off
FA maps	Off
Mosaic	Off
Tensor	Off
Noise level	0
Diff. directions	30

### Sequence

Introduction	On
Bandwidth	1352 Hz/Px
Free echo spacing	Off
Echo spacing	0.82 ms
-----	
EPI factor	74
RF pulse type	Normal
Gradient mode	Fast