\\USER\Head\Coma\Coma Science Group\ep2d_diff_mddw_64_p2_s3_b700 *

TA: 2:07 min Coil Selection: Manual Voxel Size: 2.0×2.0×2.0 mm Acc:: 6 Rel. SNR: 1.00

Properties

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	66
Distance Factor	30 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FoV Read	256 mm
FoV Phase	100.0 %
Slice Thickness	2.0 mm
TR	3000 ms
TE	94.0 ms
Concatenations	1
AutoAlign	Head > Brain
Coil Elements	HE1-4

Contrast - Common

TR	3000 ms
TE	94.0 ms
MTC	Off
Magn. Preparation	None
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Multiple Series	Off
Delay in TR	0 ms

Resolution - Common

FoV Read	256 mm
FoV Phase	100.0 %
Slice Thickness	2.0 mm
Base Resolution	128
Phase Resolution	100 %
Interpolation	Off

Resolution - Acceleration

Accel. Mode	SMS
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	30
Phase Partial Fourier	6/8
SMS Factor	3

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	Off
Normalize	Prescan

Geometry - Common

Slice Group	1
Slices	66
Distance Factor	30 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FoV Read	256 mm
FoV Phase	100.0 %
Slice Thickness	2.0 mm
TR	3000 ms
Series	Interleaved
Multi-Slice Mode	Interleaved
Concatenations	1

Geometry - Saturation

Special Saturation	None

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Navigator

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	H
Table Position	0 mm
Inline Composing	Off

System - Miscellaneous

Coil Selection	Manual
Coil Combination	Adaptive Combine
Matrix Optimization	Performance
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto

System - Adjustments

Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	256 mm
R >> L	256 mm
F >> H	171 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.218084 MHz
Correction Factor	1
Image Scaling	1.000
Reset	Off
? Ref. Amplitude 1H	0.000 V

Physio - Signal

1st Signal/Mode	None
TR	3000 ms
Concatenations	1

Physio - PACE

Resp. Control	Off
Concatenations	1

Diff

Diffusion Mode	MDDW
Diff. Directions	30
Diffusion Scheme	Bipolar
Diff. Weightings	2
b-Value 1	0 s/mm²
b-Value 2	700 s/mm²
b-Value 1	5
b-Value 2	1
Dynamic Field Correction	Off
Invert Gray Scale	Off
Diff. Weighted Images	On
Trace Weighted Images	On
Tensor	On
FA Maps	On
ADC Maps	On
Exponential ADC Maps	Off
ADC Noise Threshold	30
Noise Masking	Off
Calculated Image	Off

Sequence - Part 1

Sequence Name	epse
RF Pulse Type	Low SAR
Gradient Mode	Fast
Bandwidth	1562 Hz/Px
Free Echo Spacing	Off
Echo Spacing	0.72 ms
Optimization	None
EPI Factor	128

Sequence - Part 2

Introduction	On

\\USER\Head\Coma\Coma Science Group\ep2d_diff_mddw_64_p2_s3_b1000_DO_NOT_READJUST *

TA: 5:35 min Coil Selection: Manual Voxel Size: 2.0×2.0×2.0 mm Acc:: 6 Rel. SNR: 1.00

Properties

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	66
Distance Factor	30 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FoV Read	256 mm
FoV Phase	100.0 %
Slice Thickness	2.0 mm
TR	4400 ms
TE	89.0 ms
Concatenations	1
AutoAlign	Head > Brain
Coil Elements	HE1-4

Contrast - Common

TR	4400 ms
TE	89.0 ms
MTC	Off
Magn. Preparation	None
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Multiple Series	Off
Delay in TR	0 ms

Resolution - Common

FoV Read	256 mm
FoV Phase	100.0 %
Slice Thickness	2.0 mm
Base Resolution	128
Phase Resolution	100 %
Interpolation	Off

Resolution - Acceleration

Accel. Mode	SMS
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	30
Phase Partial Fourier	6/8
SMS Factor	3

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	Off
Normalize	Prescan

Geometry - Common

Slice Group	1
Slices	66
Distance Factor	30 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FoV Read	256 mm
FoV Phase	100.0 %
Slice Thickness	2.0 mm
TR	4400 ms
Series	Interleaved
Multi-Slice Mode	Interleaved
Concatenations	1

Geometry - Saturation

Special Saturation	None

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Navigator

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	H
Table Position	0 mm
Inline Composing	Off

System - Miscellaneous

Coil Selection	Manual
Coil Combination	Adaptive Combine
Matrix Optimization	Performance
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto

System - Adjustments

Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	256 mm
R >> L	256 mm
F >> H	171 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.218084 MHz
Correction Factor	1
Image Scaling	1.000
Reset	Off
? Ref. Amplitude 1H	0.000 V

Physio - Signal

1st Signal/Mode	None
TR	4400 ms
Concatenations	1

Physio - PACE

Resp. Control	Off
Concatenations	1

Diff

Diffusion Mode	MDDW
Diff. Directions	64
Diffusion Scheme	Bipolar
Diff. Weightings	2
b-Value 1	0 s/mm²
b-Value 2	1000 s/mm²
b-Value 1	5
b-Value 2	1
Dynamic Field Correction	Off
Invert Gray Scale	Off
Diff. Weighted Images	On
Trace Weighted Images	On
Tensor	On
FA Maps	On
ADC Maps	On
Exponential ADC Maps	Off
ADC Noise Threshold	30
Noise Masking	Off
Calculated Image	Off

Sequence - Part 1

Sequence Name	epse
RF Pulse Type	Low SAR
Gradient Mode	Fast
Bandwidth	1562 Hz/Px
Free Echo Spacing	Off
Echo Spacing	0.72 ms
Optimization	None
EPI Factor	128

Sequence - Part 2

Introduction	On

\\USER\Head\Coma\Coma Science Group\ep2d_diff_mddw_64_p2_s3_b2000_DO_NOT_READJUST *

TA: 5:43 min Coil Selection: Manual Voxel Size: 2.0×2.0×2.0 mm Acc:: 6 Rel. SNR: 1.00

Properties

Start measurement without further preparation	On
Wait for User to Start	Off
Start measurements	Single Measurement
Prio Recon	Off
Auto Open Inline Display	Off
Auto Close Inline Display	Off
Load Images to MR View&GO	On
Auto Store Images	On
Load Images to Stamp Segments	Off
Load Images to Graphic Segments	Off
Graphic segment	Default
Inline Movie	Off

Routine

Slice Group	1
Slices	66
Distance Factor	30 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FoV Read	256 mm
FoV Phase	100.0 %
Slice Thickness	2.0 mm
TR	4500 ms
TE	110.0 ms
Concatenations	1
AutoAlign	Head > Brain
Coil Elements	HE1-4

Contrast - Common

TR	4500 ms
TE	110.0 ms
MTC	Off
Magn. Preparation	None
Fat-Water Contrast	Fat Saturation
Fat Saturation	Strong
Reconstruction	Magnitude

Contrast - Dynamic

Dynamic Mode	Standard
Multiple Series	Off
Delay in TR	0 ms

Resolution - Common

FoV Read	256 mm
FoV Phase	100.0 %
Slice Thickness	2.0 mm
Base Resolution	128
Phase Resolution	100 %
Interpolation	Off

Resolution - Acceleration

Accel. Mode	SMS
Reference Scans	EPI/Separate
Acceleration Factor PE	2
Reference Lines PE	30
Phase Partial Fourier	6/8
SMS Factor	3

Resolution - Filter

Raw Filter	Off
Elliptical Filter	Off
Distortion Correction	Off
Normalize	Prescan

Geometry - Common

Slice Group	1
Slices	66
Distance Factor	30 %
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
Phase Oversampling	0 %
FoV Read	256 mm
FoV Phase	100.0 %
Slice Thickness	2.0 mm
TR	4500 ms
Series	Interleaved
Multi-Slice Mode	Interleaved
Concatenations	1

Geometry - Saturation

Special Saturation	None

Geometry - AutoAlign

Slice Group	1
Position	Isocenter
Orientation	Transversal
Phase Encoding Dir.	A >> P
AutoAlign	Head > Brain
Initial Position	Isocenter
L	0.0 mm
P	0.0 mm
H	0.0 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Navigator

Geometry - Tim Planning Suite

Set-n-Go Protocol	Off
Table Position	H
Table Position	0 mm
Inline Composing	Off

System - Miscellaneous

Coil Selection	Manual
Coil Combination	Adaptive Combine
Matrix Optimization	Performance
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H

System - Adjustments

Adjustment Strategy	Standard
B0 Shim	Standard
B1 Shim	TrueForm
CoilShim	Off
Adjustment Tolerance	Auto

System - Adjustments

Adjust with Body Coil	Off
Confirm Frequency	Never
Assume Silicone	Off

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	256 mm
R >> L	256 mm
F >> H	171 mm
Reset	Off

System - Tx/Rx

Frequency 1H	123.218084 MHz
Correction Factor	1
Image Scaling	1.000
Reset	Off
? Ref. Amplitude 1H	0.000 V

Physio - Signal

1st Signal/Mode	None
TR	4500 ms
Concatenations	1

Physio - PACE

Resp. Control	Off
Concatenations	1

Diff

Diffusion Mode	MDDW
Diff. Directions	64
Diffusion Scheme	Bipolar
Diff. Weightings	2
b-Value 1	0 s/mm²
b-Value 2	2000 s/mm²
b-Value 1	5
b-Value 2	1
Dynamic Field Correction	Off
Invert Gray Scale	Off
Diff. Weighted Images	On
Trace Weighted Images	On
Tensor	On
FA Maps	On
ADC Maps	On
Exponential ADC Maps	Off
ADC Noise Threshold	30
Noise Masking	Off
Calculated Image	Off

Sequence - Part 1

Sequence Name	epse
RF Pulse Type	Low SAR
Gradient Mode	Fast
Bandwidth	1562 Hz/Px
Free Echo Spacing	Off
Echo Spacing	0.72 ms
Optimization	None
EPI Factor	128

Sequence - Part 2

Introduction	On