

# SIEMENS MAGNETOM Product syngo MR B13

\\USER\ADNI\ADNI-related\Phantom Protocol\QC Phantom-Localizer

TA: 0:10    PAT: Off    Voxel size: 1.9x1.5x8.0 mm    Rel. SNR: 1.00    SIEMENS: gre

### Properties

Prio Recon	Off
Voice output before	
Voice output after	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load to graphic segments	Off
Auto open inline display	Off
AutoAlign Spine	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	single

### Routine

Slice group 1	
Slices	1
Dist. factor	20 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 2	
Slices	1
Dist. factor	20 %
Position	Isocenter
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Slice group 3	
Slices	1
Dist. factor	20 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
FoV read	280 mm
FoV phase	100.0 %
Slice thickness	8.0 mm
TR	20.0 ms
TE	5.00 ms
Averages	1
Concatenations	3
Filter	Raw filter, Normalize
Coil elements	HE1-4

### Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	40 deg
Fat suppr.	None
Water suppr.	None
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Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

### Resolution

Base resolution	192
Phase resolution	75 %

Phase partial Fourier	Off
Filter 1	
Raw filter	On
Intensity	Weak
Slope	25
Filter 2	
Distortion Corr.	Off
Filter 3	
Prescan Normalize	Off
Filter 4	
Normalize	On
Unfiltered images	Off
Filter 5	
Elliptical filter	Off
Filter 6	
Image Filter	Off
Interpolation	Off
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PAT mode	None
Matrix Coil Mode	Auto (CP)

### Geometry

Multi-slice mode	Sequential
Series	Ascending
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Saturation mode	Standard
Special sat.	None
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Set-n-Go Protocol	Off
Inline Composing	Off

### System

Body	Off
HE2	On
HE4	On
HE1	On
HE3	On
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Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
-----	
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Ref. amplitude 1H	111.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm

### Physio

1st Signal/Mode	None
Segments	1
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Tagging	None
Dark blood	Off

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Resp. control                      Off

## Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

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## Sequence

Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Off
Contrasts	1
Bandwidth	180 Hz/Px
Flow comp.	No

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RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On

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\\USER\ADNI\ADNI-related\Phantom Protocol\QC Phantom Sagittal MPRAGE

TA: 7:42    PAT: Off    Voxel size: 1.3x1.3x1.3 mm    Rel. SNR: 1.00    SIEMENS: tfl

### Properties

Prio Recon	Off
Voice output before	
Voice output after	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load to graphic segments	Off
Auto open inline display	Off
AutoAlign Spine	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

### Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Phase oversampling	0 %
Slice oversampling	20 %
Slices per slab	160
FoV read	240 mm
FoV phase	100.0 %
Slice thickness	1.30 mm
TR	2400 ms
TE	3.61 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HE1-4

### Contrast

Magn. preparation	Non-sel. IR
TI	1000 ms
Flip angle	8 deg
Fat suppr.	None
Water suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Multiple series	Off

### Resolution

Base resolution	192
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Slice partial Fourier	Off
Filter 1	
Raw filter	Off
Filter 2	
Distortion Corr.	Off
Filter 3	
Prescan Normalize	On
Unfiltered images	Off
Filter 4	
Normalize	Off
Filter 5	

Elliptical filter	Off
Filter 6	
Image Filter	Off
Interpolation	Off
PAT mode	None
Matrix Coil Mode	Dual

### Geometry

Multi-slice mode	Single shot
Series	Interleaved
Set-n-Go Protocol	Off
Inline Composing	Off

### System

Body	Off
HE2	On
HE4	On
HE1	On
HE3	On
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
Ref. amplitude 1H	111.000 V
Adjustment Tolerance	Auto
Adjust volume	
Position	Isocenter
Orientation	Sagittal
Rotation	0.00 deg
F >> H	240 mm
A >> P	240 mm
R >> L	208 mm

### Physio

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

### Inline

Subtract	Off
Std-Dev-Sag	Off
Std-Dev-Cor	Off
Std-Dev-Tra	Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

### Sequence

Introduction	On
Dimension	3D

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Elliptical scanning	Off
Asymmetric echo	Off
Bandwidth	180 Hz/Px
Flow comp.	No
Echo spacing	8.3 ms

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RF pulse type	Fast
Gradient mode	Fast
Excitation	Non-sel.
RF spoiling	On

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