

## SIEMENS MAGNETOM Skyra syngo MR D13

\\USER\CIND\StudyProtocols\PTSA\\*t2\_tse\_hp\_scout  
TA:0:44 PAT:2 Voxel size:0.7x0.7x4.0 mm Rel. SNR:1.00 :tse

### Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

### Routine

Nr. of slice groups	1
Slices	10
Dist. factor	30 %
Position	L0.0 P6.5 H0.2 mm
Orientation	T > C31.2
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	220 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	6000.0 ms
TE	90.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	HE1-4

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	150 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

## Resolution

Base resolution	320
Phase resolution	75 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	47
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	10
Dist. factor	30 %
Position	L0.0 P6.5 F35.8 mm
Phase enc. dir.	R >> L
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Water suppr.	None
Special sat.	None
Special sat.	None
Table position	P
Inline Composing	Off
Restore magn.	Off

## System

Body	Off
HE1	On
HE3	On
NE1	Off
HE2	On
HE4	On
NE2	Off
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
Position mode	L-P-H
Positioning mode	REF
Table position	F
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
AutoAlign	---
Coil Select Mode	Off - AutoCoilSelect
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm
Frequency 1H	123.205716 MHz
Correction factor	1

Excit 1H	247.034 V
Gain	High
Table position	36 mm
Img. Scale. Cor.	1.000
<b>Physio</b>	
1st Signal/Mode	None
Magn. preparation	None
Dark blood	Off
Trajectory	Cartesian
Resp. control	Off
<b>Inline</b>	
Inline Composing	Off
Distortion correction	Off
<b>Sequence</b>	
Introduction	On
Dimension	2D
Compensate T2 decay	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Reduce Motion Sens.	On
Contrasts	1
Bandwidth	260 Hz/Px
Flow comp.	No
Allowed delay	60 s
Echo spacing	9.02 ms
Define	Turbo factor
Turbo factor	24
Echo trains per slice	6
RF pulse type	Normal
Gradient mode	Fast
Hyperecho	Off
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HE1-4
Acquisition duration	0 ms
Mode	Off

**BOLD**

Subtract	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Contrasts	1
Save original images	On

**SIEMENS MAGNETOM Skyra syngo MR D13**

\\USER\CIND\StudyProtocols\PTSA\\*tse2d\_512\_2mm\_nogaps  
 TA:6:48 PAT:Off Voxel size:0.4x0.4x2.0 mm Rel. SNR:1.00 :tse

**Properties**

Prio Recon	Off
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
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	26
Dist. factor	0 %
Position	R1.1 P11.1 F15.9 mm
Orientation	C > T-27.7 > S1.1
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	100 %
FoV read	200 mm
FoV phase	96.9 %
Slice thickness	2.0 mm
TR	3990.0 ms
TE	17.0 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D), Prescan Normalize
Coil elements	HE1-4

## Contrast

TD	0.0 ms
MTC	Off
Magn. preparation	None
Flip angle	149 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Short term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

## Resolution

Base resolution	512
Phase resolution	75 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	None
Image Filter	Off
Distortion Corr.	On
TD	0.0 ms
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	26
Dist. factor	0 %
Position	R1.1 P11.1 F15.9 mm
Phase enc. dir.	R >> L
Phase oversampling	100 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Water suppr.	None
Special sat.	None
Special sat.	None
Table position	P
Inline Composing	Off
Restore magn.	Off



## System

Body	Off
HE1	On
HE3	On
NE1	Off
HE2	On
HE4	On
NE2	Off
Position mode	L-P-H
Positioning mode	FIX
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
AutoAlign	---
Coil Select Mode	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	R1.1 P11.1 F15.9 mm
Rotation	0.00 deg
F >> H	200 mm
R >> L	194 mm
A >> P	52 mm
Frequency 1H	123.205716 MHz
Correction factor	1
VExcit 1H	179.988 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None
Dark blood	Off
Trajectory	Cartesian
Resp. control	Off

## Inline

Inline Composing	Off
Distortion correction	Off

## Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Averaging mode	Short term
Multi-slice mode	Interleaved
Reduce Motion Sens.	Off
Contrasts	1
Bandwidth	100 Hz/Px
Flow comp.	No
Allowed delay	0 s
Echo spacing	17.4 ms
Define	Turbo factor
Turbo factor	15
Echo trains per slice	50
RF pulse type	Low SAR
Gradient mode	Normal
Hyperecho	Off
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HE1-4
Acquisition duration	0 ms
Mode	Off

**BOLD**

Subtract	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Contrasts	1
Save original images	On