

SIEMENS MAGNETOM MedSpec_4T syngo MR 2004A

\\USER\ZAHID\RAZ\RAZ_CURRENT\localizer

Scan Time: 9.2 [s] Voxel size: 2.2×1.1×10.0 [mm] Rel. SNR: 1.00 ! SIEMENS: gre

Routine

Slice group 1	
Slices	1
Dist. factor	20 [%]
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0 [deg]
Slice group 2	
Slices	1
Dist. factor	20 [%]
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0 [deg]
Slice group 3	
Slices	1
Dist. factor	20 [%]
Position	Isocenter
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0 [deg]
Phase oversampling	0 [%]
FoV read	280 [mm]
FoV phase	100.0 [%]
Slice thickness	10 [mm]
TR	20 [ms]
TE	5 [ms]
Averages	1
Concatenations	3
Filter	Elliptical filter
Coil elements	PH1,PH2,PH3,...

Contrast

TD	0 [ms]
MTC	0
Magn. preparation	None
Flip angle	40 [deg]
Reconstruction	Magnitude
Fat suppr.	None
Water suppr.	None
Measurements	1

Resolution

Base resolution	256
Phase resolution	50 [%]
Phase partial Fourier	Off
Filter 1	
Raw filter	Off
Filter 2	
Large FoV	Off
Filter 3	
Normalize	Off
Filter 4	
Elliptical filter	On
Interpolation	1

PAT mode None

Geometry

Multi-slice mode	Sequential
Series	Interleaved
Saturation mode	Standard
Special sat.	None

System

Save uncombined	0
Scan at current TP	1
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
8 Channel Head / PH7	1
8 Channel Head / PH6	1
8 Channel Head / PH5	1
8 Channel Head / PH8	1
8 Channel Head / PH4	1
8 Channel Head / PH3	1
8 Channel Head / PH2	1
8 Channel Head / PH1	1
Body	0

Shim mode	Tune up
Confirm freq. adjustment	0
Assume Silicone	0
Ref. amplitude [1H]	80.000 [V]
Adjust volume	
Position	Isocenter
Orientation	Transversal
Rotation	0 [deg]
R >> L	210 [mm]
A >> P	175 [mm]
F >> H	210 [mm]

Physio

1st Signal/Mode	None
Segments	1

Dark blood	0

Resp. control	Off

Inline

Subtract	0
Std-Dev-Sag	0
Std-Dev-Cor	0
Std-Dev-Tra	0
Std-Dev-Time	0
MIP-Sag	0
MIP-Cor	0
MIP-Tra	0
MIP-Time	0
Save original images	1

Wash - In	0
Wash - Out	0
TTP	0
PEI	0
MIP - time	0

Sequence

Introduction	1
Dimension	2D
Phase stabilisation	0
Averaging mode	Short term
Asymmetric echo	Off
Contrasts	1
Bandwidth	180 [Hz/Px]
Flow comp.	No
Allowed delay	0 [s]

RF pulse type	Fast

Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	1

SIEMENS MAGNETOM MedSpec_4T syngo MR 2004A

\\USER\ZAHID\RAZ\RAZ_CURRENT\t1_mpr_cor_0.7x0.7x1.3ipat

+ Scan Time: 5:26 Voxel size: 0.7x0.7x1.3 [mm] Rel. SNR: 1.00 ! SIEMENS: tfl

Routine

Slab group 1	
Slabs	1
Dist. factor	21 [%]
Position	L5.3 A31.0 F20.5 [mm]
Orientation	C > T-2.2 > S-1.2
Phase enc. dir.	R >> L
Rotation	0 [deg]
Phase oversampling	0 [%]
Slice oversampling	0 [%]
Slices per slab	176
FoV read	256 [mm]
FoV phase	100.0 [%]
Slice thickness	1.34 [mm]
TR	1600 [ms]
TE	4.38 [ms]
Averages	1
Concatenations	1
Filter	None
Coil elements	PH1,PH2,PH3,...

Contrast

Magn. preparation	Non-sel. IR
TI	800 [ms]
Flip angle	8 [deg]
Reconstruction	Magnitude
Fat suppr.	None
Water suppr.	None
Measurements	1

Resolution

Base resolution	384
Phase resolution	100 [%]
Slice resolution	99 [%]
Phase partial Fourier	Off
Slice partial Fourier	Off
Filter 1	
Raw filter	Off
Filter 2	
Large FoV	Off
Filter 3	
Normalize	Off
Filter 4	
Elliptical filter	Off
Interpolation	0
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24

Geometry

Multi-slice mode	Single shot
Series	Interleaved

System

Save uncombined	0
Scan at current TP	0
Scan region position	H
Scan region position	0 [mm]
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
8 Channel Head / PH7	1
8 Channel Head / PH6	1
8 Channel Head / PH5	1

8 Channel Head / PH8	1
8 Channel Head / PH4	1
8 Channel Head / PH3	1
8 Channel Head / PH2	1
8 Channel Head / PH1	1
Body	0
Shim mode	Standard
Confirm freq. adjustment	0
Assume Silicone	0
Ref. amplitude [1H]	80.000 [V]
Adjust volume	
Position	L5.3 A31.0 F20.5 [mm]
Orientation	C > T-2.2 > S-1.2
Rotation	0 [deg]
F >> H	256 [mm]
R >> L	256 [mm]
A >> P	236 [mm]

Physio

1st Signal/Mode	None
Dark blood	0
Resp. control	Off

Inline

Subtract	0
Std-Dev-Sag	0
Std-Dev-Cor	0
Std-Dev-Tra	0
Std-Dev-Time	0
MIP-Sag	0
MIP-Cor	0
MIP-Tra	0
MIP-Time	0
Save original images	1

Sequence

Introduction	0
Dimension	3D
Elliptical scanning	0
Averaging mode	Long term
Asymmetric echo	Off
Bandwidth	170 [Hz/Px]
Echo spacing	8.9 [ms]
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slab-sel.
RF spoiling	1