SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\MrPhysics\akbeys\epiCESTpaper_2019\sa_cest_e521d5c_450V_list68

TA: 5:06 PAT: 6 Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 USER: sa_cest_e521d5c

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

Slab group 1	
Slabs	1
Position	R1.8 A20.0 F9.3
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice oversampling	0.0 %
Slices per slab	80
FoV read	210 mm
FoV phase	100.0 %
Slice thickness	2.00 mm
TR	4330 ms
TE	5.9 ms
Filter	None
Coil elements	A32

Contrast

Flip angle	10 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	68
Pause after meas.	0.0 s

Resolution

Base resolution	106
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	36
Accel. factor 3D	2
Ref. lines 3D	16
Reference scan mode	Separate
Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Saturation mode	Standard
Table position	H
Table position	0 mm
Inline Composing	Off

System

V32	Off
A32	On
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
! Ref. amplitude 1H	450.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	R1.8 A20.0 F9.3
! Orientation	Sagittal
! Rotation	0.00 deg
! F >> H	220 mm
! A >> P	220 mm
! R >> L	157 mm

BOLD

Sequence

Introduction	On
Dimension	3D
Reordering	Centric
Asymmetric echo	Off
Contrasts	1
Bandwidth	2246 Hz/Px
Echo spacing	0.6 ms
RF pulse type	Normal
Gradient mode	Fast
Excitation	Non-sel.
RF spoiling	On
Ernst T1	1200 ms
Dummy shot	3
M0 dummy	0
Ascending PE	On
Ascending 3D	On
Omit early k if PF	On
External PC	On
Physio log	Off
Water Exc.	Binomial-11
PATRef Acq.	FLASH
RF spoil incr.	137.3 deg
RF duration	390 us
Segmentation	1
PATRef FA	3 deg
Prep. scans	10
Saturation phase	On

Use as recovery	Off
Pulse Type	Gauss
Adiabatic Mu	6
Adiabatic BW	1200 Hz
Adiabatic Length	8000 us
Adiabatic B1	40.00 uT
Adiabatic WL	1000 us
No. Sat. Pulses	120
No. Locking Pulses	1
Pulse Duration	15000 us
Duty Cycle	50 pc
Recover Time	0 ms
Recover Time M0	2400 ms
Readout Delay	1 ms
Sampling Strategy	List
B1	0.80 uT
Offset	2.0 ppm