\\USER\projects\imagen_fu3\imagen3,noddi\localizer

TA: 0:29 PAT: Off Voxel size: 1.1×1.0×7.0 mm Rel. SNR: 1.00 SIEMENS: gre			
Properties		Phase partial Fourier Interpolation	Off On
Prio Recon	Off		
Before measurement		PAT mode	None
After measurement	0	Matrix Coil Mode	СР
Load to viewer	On Off	Image Filter	Off
Inline movie	Off	Distortion Corr.	On
Auto store images	On Off	Mode	2D
Load to stamp segments	Off	Unfiltered images	Off
Load images to graphic	Off	Unfiltered images	Off
segments	0#	Prescan Normalize	On
Auto open inline display	Off	Normalize	Off
Start measurement without	On	B1 filter	Off
further preparation	0#	Raw filter	Off
Wait for user to start	Off	Elliptical filter	On
Start measurements	single	Mode	Inplane
Routine			
Slice group 1		Geometry	
Slices	5	Multi-slice mode	Sequential
Dist. factor	250 %	Series	Interleaved
Position	Isocenter	Saturation mode	Standard
Orientation	Sagittal	Special sat.	None
Phase enc. dir.	A >> P	'	
Rotation	0.00 deg	Set-n-Go Protocol	Off
Slice group 2	· ·	Table position	H
Slices	1	Table position	0 mm
Dist. factor	20 %	Inline Composing	Off
Position	Isocenter	militie Composing	Oli
Orientation	Transversal	System	
Phase enc. dir.	A >> P	Body	Off
Rotation	0.00 deg	HEP	On
Slice group 3		HEA	On
Slices	1	Positioning mode	REF
Dist. factor	20 %	MSMA	S-C-T
Position	Isocenter	Sagittal	L >> R
Orientation	Coronal	Coronal	P >> A
Phase enc. dir.	R >> L	Transversal	F >> H
Rotation	0.00 deg	Coil Combine Mode	Sum of Squares
Phase oversampling	0 %	AutoAlign	
FoV read	250 mm	Auto Coil Select	Default
FoV phase	100.0 %	Auto Con Gelect	
Slice thickness	7.0 mm	Shim mode	Tune up
TR	8.6 ms	Adjust with body coil	Off
TE	4.00 ms	Confirm freq. adjustment	Off
Averages	2	Assume Silicone	Off
Concatenations	7	? Ref. amplitude 1H	0.000 V
Filter	Distortion Corr.(2D), Prescan	Adjustment Tolerance	Auto
	Normalize, Elliptical filter	Adjust volume	
Coil elements	HEA;HEP	Position	Isocenter
Contrast		Orientation	Transversal
TD	0 ms	- Rotation	0.00 deg
MTC	Off	R >> L	350 mm
Magn. preparation	None	A >> P	263 mm
Flip angle	20 deg	F >> H	350 mm
Fat suppr.	None	Physio	
Water suppr.	None	1st Signal/Mode	None
	140110	Segments	None 1
Averaging mode	Short term	Jeginenis	
Reconstruction	Magnitude	Tagging	None
Measurements	1	Dark blood	Off
Multiple series	Each measurement	D	O#
Resolution		Resp. control	Off
	256	- Inline	
Base resolution	256	Subtract	Off
Phase resolution	90 %	1/+	

1/+

Liver registration Std-Dev-Sag Std-Dev-Cor Std-Dev-Tra	Off Off Off Off
Std-Dev-Time	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off

Sequence

Coquonico	
Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Allowed
Contrasts	1
Bandwidth	320 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On

\\USER\projects\imagen_fu3\imagen3,noddi\MPRAGE,GRAPPA2

TA: 5:03 PAT: 2 Voxel size: 1.1×1.1×1.1 mm Rel. SNR: 1.00 SIEMENS: tfl			
Properties		Distortion Corr.	On
Prio Recon	Off	- Mode	2D
Before measurement	OII	Unfiltered images	On
After measurement		Unfiltered images	Off
Load to viewer	On	Prescan Normalize	On
Inline movie	Off	Normalize	Off
Auto store images	On	B1 filter	Off
Load to stamp segments	Off	Raw filter	Off
Load images to graphic	Off	Elliptical filter	Off
segments		Geometry	
Auto open inline display	Off	Multi-slice mode	Single shot
Start measurement without	On	Series	Interleaved
further preparation			
Wait for user to start	On	Set-n-Go Protocol	Off
Start measurements	single	Table position	F
ı	og.o	Table position	48 mm
Routine		- Inline Composing	Off
Slab group 1		I mine composing	OII
Slabs	1	System	
Dist. factor	50 %	Body	Off
Position	L3.8 A3.1 F48.0	HEP	On
Orientation	Sagittal	HEA	On
Phase enc. dir.	A >> P	Positioning mode	ISO
Rotation	0.00 deg	Positioning mode MSMA	S-C-T
Phase oversampling	0 %	_	S-C-1 L>> R
Slice oversampling	0.0 %	Sagittal	= : : : :
Slices per slab	160	Coronal	P >> A F >> H
FoV read	280 mm	Transversal	Cff
FoV phase	93.8 %	Save uncombined	_
Slice thickness	1.10 mm	Coil Combine Mode	Sum of Squares
TR	2300 ms	AutoAlign Auto Coil Select	 Default
TE	2.93 ms	Auto Coil Select	Delauit
Averages	1	Shim mode	Standard
Concatenations	1	Adjust with body coil	Off
Filter	Distortion Corr.(2D), Prescan	Confirm freq. adjustment	Off
	Normalize	Assume Silicone	Off
Coil elements	HEA;HEP	? Ref. amplitude 1H	0.000 V
Contrast		Adjustment Tolerance	Auto
Magn. preparation	Non-sel. IR	- Adjust volume	
TI	900 ms	Position	L3.8 A3.1 F48.0
Flip angle	9 deg	Orientation	Sagittal
Fat suppr.	None	Rotation	0.00 deg
Water suppr.	None	F >> H	280 mm
••••••••••••••••••••••••••••••••	140110	A >> P	263 mm
Averaging mode	Long term	R >> L	176 mm
Reconstruction	Magnitude	Dhysis	
Measurements	1	Physio	News
Multiple series	Off	1st Signal/Mode	None
Resolution		Dark blood	Off
Base resolution	256	Resp. control	Off
Phase resolution	100 %	•	On
Slice resolution	100 %	Inline	
Phase partial Fourier	Off	Subtract	Off
Slice partial Fourier	Off	Std-Dev-Sag	Off
Interpolation	Off	Std-Dev-Cor	Off
	OD A DD A	Std-Dev-Tra	Off
PAT mode	GRAPPA	Std-Dev-Time	Off
Accel. factor PE	2	MIP-Sag	Off
Ref. lines PE	24	MIP-Cor	Off
Accel. factor 3D	1	MIP-Tra	Off
Matrix Coil Mode	Auto (Triple)	MIP-Time	Off
Reference scan mode	Integrated	Save original images	On
Image Filter	Off		

Sequence

Introduction	On
Dimension	3D
Elliptical scanning	Off
Asymmetric echo	Off
Bandwidth	240 Hz/Px
Flow comp.	No
Echo spacing	6.9 ms
RF pulse type	Fast
Gradient mode	Normal
Excitation	Non-sel.
RF spoiling	On
	•

\\USER\projects\imagen_fu3\imagen3,noddi\noddi,correction

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

USER: cmrr_mbep2d_diff

PAT: Off

TA: 0:28

Properties		Series	Interleaved
Prio Recon	Off	Special sat.	None
Before measurement		Set-n-Go Protocol	Off
After measurement	0-	Table position	H
Load to viewer	On O#	Table position	0 mm
Inline movie	Off	Inline Composing	Off
Auto store images Load to stamp segments	On Off		
Load images to graphic	Off	System	O#
segments	311	Body HEP	Off On
Auto open inline display	Off	HEA	On
Start measurement without	On		
further preparation		Positioning mode	REF
Wait for user to start	On	MSMA	S-C-T
Start measurements	single	Sagittal	R >> L
Routine		Coronal	A >> P
Slice group 1		Transversal Coil Combine Mode	F >> H
Slices	66	AutoAlign	Sum of Squares
Dist. factor	0 %	Auto Coil Select	 Default
Position	L0.0 P0.0 H10.0		
Orientation	Transversal	Shim mode	Standard
Phase enc. dir.	A >> P	Adjust with body coil	Off
Rotation	0.00 deg	Confirm freq. adjustment	Off
Phase oversampling	0 %	Assume Silicone	Off
FoV read	256 mm	? Ref. amplitude 1H	0.000 V
FoV phase	100.0 %	Adjustment Tolerance Adjust volume	Auto
Slice thickness	2.00 mm	Position	L0.0 P0.0 H10.0
TR	3500 ms	Orientation	Transversal
TE Multi-band accel, factor	99.0 ms	Rotation	0.00 deg
Filter	3 Raw filter	R >> L	256 mm
Coil elements	HEA;HEP	A >> P	256 mm
1	HEA,HEH	F >> H	132 mm
Contrast		— Physic	
MTC	Off	Physio 1st Signal/Mode	None
Magn. preparation	None		None
Flip angle	80 deg	Diff	
Refocus flip angle Fat suppr.	168 deg None	Diffusion mode	Free
Grad. rev. fat suppr.	Enabled	Diff. weightings	1
Glad. Tev. Tat Suppl.		b-value	2000 s/mm²
Averaging mode	Long term	Diff. weighted images	On Off
Reconstruction	Magnitude	Trace weighted images Average ADC maps	Off
Measurements	1	Individual ADC maps	Off
Delay in TR	0 ms	FA maps	Off
Multiple series	Off	Mosaic	On
Resolution		Tensor	Off
Base resolution	128	Noise level	40
Phase resolution	100 %	Diff. directions	4
Phase partial Fourier	6/8		
Interpolation	Off	Sequence	
PAT mode	None	Introduction	Off
Matrix Coil Mode	Auto (CP)	Bandwidth	1628 Hz/Px
Distortion Corr		Free echo spacing	On
Distortion Corr. Prescan Normalize	Off Off	Echo spacing	0.69 ms
Raw filter	On	EPI factor	128
Intensity	Weak	Gradient mode	Fast
Slope	25	RF spoiling	Off
Elliptical filter	Off		2200 uc
Hamming	Off	Excite pulse duration Refocus pulse duration	3200 us 7040 us
		Diffusion Scheme	Monopolar
Geometry Multi slice mode	Interleaved	Single-band images	Off
Multi-slice mode	Interleaved		.

MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	Off
Time-shifted MB RF	Off
SENSE1 coil combine	On
Invert RO/PE polarity	On
Online multi-band recon.	Online
FFT scale factor	1.00
Physio recording	Off

\\USER\projects\imagen_fu3\imagen3,noddi\noddi,dir200

TA: 11:54 PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 USER: cmrr_mbep2d_diff			
Properties		Series	Interleaved
Prio Recon	Off	Special sat.	None
Before measurement			
After measurement		Set-n-Go Protocol	Off
Load to viewer	On	Table position Table position	H 0 mm
Inline movie	Off	Inline Composing	Off
Auto store images	On		011
Load to stamp segments	Off	System	
Load images to graphic	Off	Body	Off
segments Auto open inline display	Off	HEP	On
Start measurement without	On	HEA	On
further preparation	Oli	Positioning mode	FIX
Wait for user to start	On	MSMA	S - C - T
Start measurements	single	Sagittal	R >> L
ı	5g.0	Coronal	A >> P
Routine	_	Transversal	F >> H
Slice group 1	66	Coil Combine Mode	Sum of Squares
Slices Dist factor	66	AutoAlign	
Dist. factor	0 %	Auto Coil Select	Default
Position Orientation	L0.0 P0.0 H10.0 Transversal	Shim mode	Standard
Phase enc. dir.	A >> P	Adjust with body coil	Off
Rotation	0.00 deg	Confirm freq. adjustment	Off
Phase oversampling	0 %	Assume Silicone	Off
FoV read	256 mm	? Ref. amplitude 1H	0.000 V
FoV phase	100.0 %	Adjustment Tolerance	Auto
Slice thickness	2.00 mm	Adjust volume	
TR	3500 ms	Position	L0.0 P0.0 H10.0
TE	99.0 ms	Orientation	Transversal
Multi-band accel. factor	3	Rotation	0.00 deg
Filter	Raw filter	R >> L	256 mm
Coil elements	HEA;HEP	A >> P F >> H	256 mm 132 mm
Contrast		1	132 11111
MTC	Off	Physio	
Magn. preparation	None	1st Signal/Mode	None
Flip angle	80 deg	Diff	
Refocus flip angle	168 deg	Diffusion mode	Free
Fat suppr.	None	Diff. weightings	1
Grad. rev. fat suppr.	Enabled	b-value	2000 s/mm ²
Averaging mode	Long term	Diff. weighted images	On
Reconstruction	Magnitude	Trace weighted images	Off
Measurements	1	Average ADC maps	Off
Delay in TR	0 ms	Individual ADC maps	Off
Multiple series	Off	FA maps	Off
Resolution		Mosaic	On Off
Base resolution	128	Tensor	Off
Phase resolution	100 %	Noise level	40 200
Phase partial Fourier	6/8	Diff. directions	∠UU
Interpolation	Off	Soguence	
		Sequence Introduction	Off
PAT mode	None	Bandwidth	1628 Hz/Px
Matrix Coil Mode	Auto (CP)	Free echo spacing	On
Distortion Corr.	Off	Echo spacing	0.69 ms
Prescan Normalize	Off		
Raw filter	On	EPI factor	128
Intensity	Weak	Gradient mode	Fast
Slope	25	RF spoiling	Off
Elliptical filter	Off	Excite pulse duration	3200 us
Hamming	Off	Refocus pulse duration	7040 us
Geometry		Diffusion Scheme	Monopolar
Multi-slice mode	Interleaved	Single-band images	Off
ı		- -	

MB LeakBlock kernel	On
MB dual kernel	Off
MB RF phase scramble	Off
Time-shifted MB RF	Off
SENSE1 coil combine	On
Invert RO/PE polarity	Off
Online multi-band recon.	Online
FFT scale factor	1.00
Physio recording	Off