\\USER\BNU_cst\Wei.GaoXia\wei.gaoxia_20131021\localizer_multi_sag_A10_short TA: 0:18 PAT: Off Voxel size: 2.2x1.1x10.0 mm Rel. SNR: 1.00 SIEMENS: gre Phase resolution 50 % **Properties** Phase partial Fourier Off Off Prio Recon Interpolation On Before measurement After measurement PAT mode None Load to viewer On Matrix Coil Mode Auto (CP) Inline movie Off Image Filter Off Auto store images On Distortion Corr. Off Load to stamp segments Off Unfiltered images Off Load images to graphic Off Prescan Normalize On segments Normalize Off Auto open inline display Off B1 filter Off

O		

Start measurement without

further preparation

Wait for user to start

Start measurements	single
Routine	
Slice group 1	
Slices	11
Dist. factor	40 %
Position	L0.0 A10.0 H0.0
Orientation	Sagittal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 2	
Slices	1
Dist. factor	20 %
Position	L0.0 A10.0 H0.0
Orientation	Transversal
Phase enc. dir.	A >> P
Rotation	0.00 deg
Slice group 3	
Slices	1
Dist. factor	20 %
Position	L0.0 A10.0 H0.0
Orientation	Coronal
Phase enc. dir.	R >> L
Rotation	0.00 deg
Phase oversampling	0 %
FoV read	280 mm
FoV phase	100.0 %
Slice thickness	10.0 mm
TR	10.0 ms
TE	4.00 ms
Averages	1
Concatenations	13
Filter	Prescan Normalize, Elliptical
	filter
Coil elements	HEA;HEP
Contrast	
TD	^

Off

Off

Cor	ıtrast
-----	--------

Oominac	,,	
TD		0 ms
MTC		Off
Magr	n. preparation	None
Flip a	angle	35 deg
Fat s	suppr.	None
Wate	er suppr.	None
SWI		Off
Aver	aging mode	Short term
	onstruction	Magnitude
Meas	surements	1
Multi	ple series	Each measurement
Resolut	ion	
Base	resolution	256

Mode	
Geometry	

Raw filter

Elliptical filter

Coomony		
Multi-slice mode Series	Sequential Ascending	
Saturation mode Special sat.	Standard None	
Tim CT mode	Off	

Off

On

Off

On

Inplane

System

Body HEP

HEA	On
Positioning mode Table position Table position MSMA Sagittal Coronal Transversal Save uncombined Coil Combine Mode Auto Coil Select	REF H 0 mm S - C - T R >> L A >> P F >> H Off Adaptive Combine Default
Shim mode Adjust with body coil Confirm freq. adjustment Assume Silicone ? Ref. amplitude 1H Adjustment Tolerance	Tune up Off Off Off 0.000 V Auto

Physio

Adjust volume Position

Orientation

Rotation

R >> L A >> P

F >> H

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

Isocenter

350 mm

263 mm

350 mm

Transversal 0.00 deg

Inline

Subtract	Off
Liver registration	Off
Std-Dev-Sag	Off

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

Sequence

Ocquence	
Introduction	On
Dimension	2D
Phase stabilisation	Off
Asymmetric echo	Allowed
Contrasts	1
Bandwidth	180 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slice-sel.
RF spoiling	On

\\USER\BNU_cst\Wei.GaoXia\wei.gaoxia_20131021\ge_func_31x31x30_300_RS

Rel. SNR: 1.00

SIEMENS: ep2d_bold

Voxel size: 3.4×3.4×3.0 mm

TA: 10:06

PAT: Off

		Body	Off
Properties		HEP	On
Prio Recon	Off	HEA	On
Before measurement			
After measurement		Positioning mode	FIX
Load to viewer	On	Table position	Н
Inline movie	Off	Table position	0 mm
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
	Off		R >> L P >> A
Load images to graphic	Oli	Coronal	
segments		Transversal	F >> H
Auto open inline display	Off	Coil Combine Mode	Sum of Squares
Start measurement without	On	Auto Coil Select	Default
further preparation			
Wait for user to start	Off	Shim mode	Standard
Start measurements	single	Adjust with body coil	Off
	g	Confirm freq. adjustment	Off
Routine		Assume Silicone	Off
Slice group 1		? Ref. amplitude 1H	0.000 V
Slices	33	Adjustment Tolerance	Auto
Dist. factor	30 %	Adjust volume	71010
Position	Isocenter	Position	laccenter
			Isocenter
Orientation	Transversal	Orientation	Transversal
Phase enc. dir.	A >> P	Rotation	0.00 deg
Rotation	0.00 deg	R >> L	220 mm
Phase oversampling	0 %	A >> P	220 mm
FoV read	220 mm	F >> H	128 mm
FoV phase	100.0 %	I	-
Slice thickness	3.0 mm	Physio	
TR	2000 ms	1st Signal/Mode	None
TE	30 ms	BOLD	
Averages	1	GLM Statistics	Off
Concatenations	1	Dynamic t-maps	Off
Filter	None	Starting ignore meas	0
Coil elements	HEA;HEP	Ignore after transition	0
		Model transition states	On
Contrast		Temp. highpass filter	On
MTC	Off	Threshold	4.00
Flip angle	90 deg		
Fat suppr.	Fat sat.	Paradigm size	3
		Meas[1]	Baseline
Averaging mode	Long term	Meas[2]	Baseline
Reconstruction	Magnitude	Meas[3]	Active
Measurements	300	Motion correction	Off
Delay in TR	0 ms	Spatial filter	Off
Multiple series	Off	Opalial lillor	5
1	0.1	Sequence	
Resolution		Introduction	On
Base resolution	64	Bandwidth	2520 Hz/Px
Phase resolution	100 %	Free echo spacing	Off
Phase partial Fourier	Off	Echo spacing	0.46 ms
Interpolation	Off		
		EPI factor	64
PAT mode	None	RF pulse type	Normal
Matrix Coil Mode	Auto (CP)	Gradient mode	Fast
	·····	Gradient mode	1 431
Distortion Corr.	Off		
Prescan Normalize	Off		
Raw filter	On		
Elliptical filter	Off		
<u> </u>			
Hamming	Off		
Geometry			
Multi-slice mode	Interleaved		
Series	Interleaved		
Special sat.	None		
System			
		3/4	

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Rel. SNR: 1.00

SIEMENS: ep2d_bold

Voxel size: 3.4×3.4×3.0 mm

TA: 10:06

PAT: Off

		Body	Off
Properties		HEP	On
Prio Recon	Off	HEA	On
Before measurement			
After measurement		Positioning mode	FIX
Load to viewer	On	Table position	Н
Inline movie	Off	Table position	0 mm
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
	Off		P >> A
Load images to graphic	Oii	Coronal	
segments		Transversal	F >> H
Auto open inline display	Off	Coil Combine Mode	Sum of Squares
Start measurement without	On	Auto Coil Select	Default
further preparation			
Wait for user to start	On	Shim mode	Standard
Start measurements	single	Adjust with body coil	Off
l	og.o	Confirm freq. adjustment	Off
Routine		Assume Silicone	Off
Slice group 1		? Ref. amplitude 1H	0.000 V
Slices	33	Adjustment Tolerance	Auto
Dist. factor	30 %	Adjust volume	71010
Position	Isocenter	Position	Isocenter
Orientation	Transversal	Orientation	Transversal
Phase enc. dir.	A >> P	Rotation	0.00 deg
Rotation	0.00 deg	R >> L	220 mm
Phase oversampling	0 %	A >> P	220 mm
FoV read	220 mm	F >> H	128 mm
FoV phase	100.0 %	I	
Slice thickness	3.0 mm	Physio	
TR	2000 ms	1st Signal/Mode	None
		1	
TE	30 ms	BOLD	
Averages	1	GLM Statistics	Off
Concatenations	1	Dynamic t-maps	Off
Filter	None	Starting ignore meas	0
Coil elements	HEA;HEP	Ignore after transition	0
		Model transition states	On
Contrast		Temp. highpass filter	On
MTC	Off	Threshold	4.00
Flip angle	90 deg		
Fat suppr.	Fat sat.	Paradigm size	3
		Meas[1]	Baseline
Averaging mode	Long term	Meas[2]	Baseline
Reconstruction	Magnitude	Meas[3]	Active
Measurements	300	Motion correction	Off
Delay in TR	0 ms	Spatial filter	Off
Multiple series	Off	- Spatial Intel	5
•	0.11	Sequence	
Resolution		Introduction	On
Base resolution	64	Bandwidth	2520 Hz/Px
Phase resolution	100 %	Free echo spacing	Off
Phase partial Fourier	Off	Echo spacing	0.46 ms
Interpolation	Off		
	·····	EPI factor	64
PAT mode	None	RF pulse type	Normal
Matrix Coil Mode	Auto (CP)	Gradient mode	Fast
	(01)		. 40.
Distortion Corr.	Off		
Prescan Normalize	Off		
Raw filter	On		
Elliptical filter	Off		
•			
Hamming	Off		
Geometry			
Multi-slice mode	Interleaved		
Series	Interleaved		
001100	····ciicaveu		
Special sat.	None		
System			

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TA: 8:07 PAT: Off Voxel size: 1.3×1.0×1.3 mm Rel. SNR: 1.00 SIEMENS: tfl				
Properties		Raw filter	Off	
Prio Recon	Off	Elliptical filter	Off	
Before measurement		Geometry		
After measurement		Multi-slice mode	Single shot	
Load to viewer	On	Series	Interleaved	
Inline movie	Off			
Auto store images	On	System		
Load to stamp segments	Off	Body	Off	
Load images to graphic	Off	HEP	On	
segments		HEA	On	
Auto open inline display	Off	Positioning mode	REF	
Start measurement without	On	Positioning mode Table position	H	
further preparation		Table position	0 mm	
Wait for user to start	On	MSMA	S - C - T	
Start measurements	single	Sagittal	R >> L	
Routine		Coronal	A >> P	
Slab group 1		Transversal	F >> H	
Slabs	1	Save uncombined	Off	
Dist. factor	50 %	Coil Combine Mode	Adaptive Combine	
Position	R2.7 A24.4 H8.1	Auto Coil Select	Default	
Orientation	Sagittal			
Phase enc. dir.	A >> P	Shim mode	Tune up	
Rotation	0.00 deg	Adjust with body coil	Off	
Phase oversampling	0 %	Confirm freq. adjustment Assume Silicone	Off Off	
Slice oversampling	0.0 %		0.000 V	
Slices per slab	128	? Ref. amplitude 1H Adjustment Tolerance	Auto	
FoV read	256 mm	Adjust volume	Auto	
FoV phase	100.0 %	Position	Isocenter	
Slice thickness	1.33 mm	Orientation	Transversal	
TR	2530 ms	Rotation	0.00 deg	
TE	3.39 ms	R >> L	350 mm	
Averages Concatenations	1	A >> P	263 mm	
Filter	Prescan Normalize	F >> H	350 mm	
Coil elements	HEA;HEP	Dhysis		
_		Physio 1st Signal/Mode	None	
Contrast Magn propagation	Non-sel. IR			
Magn. preparation TI	1100 ms	Dark blood	Off	
Flip angle	7 deg	Resp. control	Off	
Fat suppr.	None	Inline		
Water suppr.	None	Subtract	Off	
	Long term	Std-Dev-Sag	Off	
Averaging mode Reconstruction	Long term Magnitude	Std-Dev-Gag Std-Dev-Cor	Off	
Measurements	1	Std-Dev-Tra	Off	
Multiple series	Off	Std-Dev-Time	Off	
·	***	MIP-Sag	Off	
Resolution	050	MIP-Cor	Off	
Base resolution	256	MIP-Tra	Off	
Phase resolution	75 %	MIP-Time	Off	
Slice resolution	100 %	Save original images	On	
Phase partial Fourier Slice partial Fourier	Off Off	Sequence		
Interpolation	Off	Introduction	On	
		Dimension	3D	
PAT mode	None	Elliptical scanning	Off	
Matrix Coil Mode	Auto (CP)	Asymmetric echo	Off	
Image Filter	Off	Bandwidth	190 Hz/Px	
Distortion Corr.	Off	Flow comp.	No	
Unfiltered images	Off	Echo spacing	7.8 ms	
Prescan Normalize	On			
Normalize	Off	RF pulse type	Fast	
B1 filter	Off	Gradient mode Excitation	Fast Non-sel.	
ı		LAGILATION	14011-361.	

RF spoiling

On