\\USER\RenzoHuber\Aneurin_Playground\S1\hcp_v2_mbep2d_diff_AP_76_b1800 TA: 1:42 PAT: 3 Voxel size: 2.9×2.9×3.1 mm Rel. SNR: 1.00 UNKNOWN:

Properties Prio Recon	Off	Multi-slice mode Series	Interleaved Interleaved
Before measurement	Oil	Special sat.	None
After measurement		Table position	Н
Load to viewer	On	Table position	0 mm
Inline movie	Off	Inline Composing	Off
Auto store images	On		OII
Load to stamp segments	Off	System	
Load images to graphic	Off	V32	Off
segments		A32	On
Auto open inline display	Off	Positioning mode	FIX
Start measurement without	On	MSMA	S - C - T
further preparation	0.4	Sagittal	R >> L
Wait for user to start	Off	Coronal	A >> P
Start measurements	single	Transversal	F >> H
Routine		Coil Combine Mode	Sum of Squares
Slice group 1	_	AutoAlign	
Slices	7	Auto Coil Select	Default
Dist. factor	0 %	Auto Ooli Oeleot	
Position	R2.7 A27.7 H5.1	Shim mode	Standard
Orientation	T > C-15.5	Adjust with body coil	Off
Phase enc. dir.	A >> P	Confirm freq. adjustment	Off
Rotation	0.00 deg	Assume Silicone	Off
Phase oversampling	0 %	! Ref. amplitude 1H	220.000 V
FoV read	200 mm	Adjustment Tolerance	Auto
FoV phase	100.0 %	Adjust volume	
Slice thickness	3.10 mm	! Position	L0.0 A25.5 H13.0
TR	1000 ms	! Orientation	Transversal
TE	60.0 ms	! Rotation	0.00 deg
Averages	1	! R >> L	200 mm
Multi-band accel. factor	1	! A >> P	200 mm
Filter	None	! F >> H	87 mm
Coil elements	A32	Dhysia	
ı	7.02	Physio	None
Contrast		1st Signal/Mode	None
MTC	Off	Diff	
Magn. preparation	None	Diffusion mode	Free
Flip angle	90 deg	Diff. weightings	1
Refocus flip angle	180 deg	b-value	1800 s/mm²
Fat suppr.	None	Diff. weighted images	On
Grad. rev. fat suppr.	Disabled	Trace weighted images	Off
Averaging mode	Long term	Average ADC maps	Off
Reconstruction	Magnitude	Individual ADC maps	Off
Measurements	1	FA maps	Off
Delay in TR	0 ms	Mosaic	On
Multiple series	Off	Tensor	Off
•		Noise level	40
Resolution		Diff. directions	92
Base resolution	68		
Phase resolution	100 %	Sequence	
Phase partial Fourier	6/8	Introduction	On
Interpolation	Off	Bandwidth	1794 Hz/Px
PAT mode	GRAPPA	Free echo spacing	Off
Accel. factor PE	3	Echo spacing	0.66 ms
Ref. lines PE	42		4
Reference scan mode	GRE	SIR accel. factor	I 60
		EPI factor	68
Distortion Corr.	Off	Gradient mode	Fast
Prescan Normalize	Off	RF spoiling	Off
Raw filter	On	Excite pulse duration	5120 us
I Filiptical filter			
Elliptical filter	Off	Refocus pulse duration	10240 us
Hamming	Off Off	Refocus pulse duration Slice multiplier	10240 us 2
		Refocus pulse duration Slice multiplier Fake MB factor for SB	

RF pulse snape	1
EPI noise scans	0
EPI full reference scan	0
Diffusion Scheme	Monopolar
SENSE1 coil combine	On
Log physiology to file	Off
Invert RO/PE polarity	Off
Save reduced raw data	Off
Readout slice trace	Off
Disable ramp sampling	Off
User defined diff. delta	Off
FFT scale factor	1.00
Diff. spoil factor	3.0
GRE iPAT ref. FA	12.0 deg
Send B1 shim trigger	Never

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TA: 1:42	PAT: 3	Voxel size: 2.9x2.9x3.1 mm	Rel. SNR: 1.00	UNKNOWN:	

Prio Recon Off		Multi-slice mode Series	Interleaved Interleaved
Before measurement	f		None
After measurement		Special sat.	
Load to viewer On		Table position	Н
Inline movie Off		Table position	0 mm
Auto store images On		Inline Composing	Off
Load to stamp segments Off		System	
Load images to graphic Off	fΓ	V32	Off
segments		A32	On
Auto open inline display Off	f		
Start measurement without On	1	Positioning mode	FIX
further preparation		MSMA	S-C-T
Wait for user to start Off	f	Sagittal	R >> L
Start measurements sin	ngle	Coronal	A >> P
Routine		Transversal	F >> H
Slice group 1		Coil Combine Mode	Sum of Squares
Slices 7		AutoAlign Auto Coil Select	Default
Dist. factor 0 %	%	Auto Con Select	Delauli
	2.7 A27.7 H5.1	Shim mode	Standard
	> C-15.5	Adjust with body coil	Off
	>> P	Confirm freq. adjustment	Off
	00 deg	Assume Silicone	Off
Phase oversampling 0 %		! Ref. amplitude 1H	220.000 V
	0 mm	Adjustment Tolerance	Auto
FoV phase 100	0.0 %	Adjust volume	
•	I0 mm	! Position	L0.0 A25.5 H13.0
TR 100	00 ms	! Orientation	Transversal
TE 60.	.0 ms	! Rotation	0.00 deg
Averages 1		! R >> L	200 mm
Multi-band accel. factor 1		! A >> P	200 mm
Filter No	-	! F >> H	87 mm
Coil elements A3:	2	Physio	
Contrast	[1st Signal/Mode	None
MTC Off	f	Diff	
Magn. preparation No	one [Diffusion mode	Free
	deg	Diff. weightings	1
	0 deg	b-value	5 s/mm²
Fat suppr. No	one	Diff. weighted images	On
Grad. rev. fat suppr. Dis	sabled	Trace weighted images	Off
Averaging mode Lor	ng term	Average ADC maps	Off
	agnitude	Individual ADC maps	Off
Measurements 1	igriitado	FA maps	Off
Delay in TR 0 n	ns I	Mosaic	On
Multiple series Off		Tensor	Off
'		Noise level	40
Resolution		Diff. directions	92
Base resolution 68	•		
	0 %	Sequence	
Phase partial Fourier 6/8		Introduction	On
Interpolation Off		Bandwidth	1794 Hz/Px
PAT mode GR	RAPPA	Free echo spacing	Off
Accel. factor PE 3		Echo spacing	0.66 ms
Ref. lines PE 42		SIR accel. factor	1
	RE	EPI factor	68
Reference scan mode GR		Gradient mode	Fast
Reference scan mode GR	t		
Reference scan mode GR Distortion Corr. Off		RF spoiling	Off
Reference scan mode GR Distortion Corr. Off Prescan Normalize Off	f	RF spoiling	
Reference scan mode GR Distortion Corr. Off Prescan Normalize Off Raw filter On	f n	Excite pulse duration	5120 us
Reference scan mode GR Distortion Corr. Off Prescan Normalize Off Raw filter On Elliptical filter Off	f n f	Excite pulse duration Refocus pulse duration	5120 us 10240 us
Reference scan mode GR Distortion Corr. Off Prescan Normalize Off Raw filter On Elliptical filter Off	f n f	Excite pulse duration	5120 us

RF puise snape	1
EPI noise scans	0
EPI full reference scan	0
Diffusion Scheme	Monopolar
SENSE1 coil combine	On
Log physiology to file	Off
Invert RO/PE polarity	Off
Save reduced raw data	Off
Readout slice trace	Off
Disable ramp sampling	Off
User defined diff. delta	Off
FFT scale factor	1.00
Diff. spoil factor	3.0
GRE iPAT ref. FA	12.0 deg
Send B1 shim trigger	Never

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Off	Normalize	Off
Off		
Off	B1 filter	Off
	Raw filter	Off
	Elliptical filter	Off
	· ·	
On	Geometry	
Off	Multi-slice mode	Single shot
_	Series	Ascending
Off	Table position	Н
		0 mm
	Inline Composing	Off
On	System	
		Off
		On
single	A32	
	Positioning mode	FIX
	MSMA J	S - C - T
1	Sagittal	R >> L
	Coronal	A >> P
	Transversal	F >> H
T > C-15.5	Save uncombined	Off
	Coil Combine Mode	Adaptive Combine
	AutoAlign	·
•	Auto Coil Select	Off
	Ol- :	04
		Standard
		Off
		Off
		Off
		0.000 V
		Auto
		10000551400
		L0.0 A25.5 H13.0
•		Transversal
		0.00 deg
7102		200 mm
		200 mm
Non-sel. IR	! F >> H	87 mm
1500 ms	Physio	
5 deg		None
None		
None	Dark blood	Off
Long term	Resp. control	Off
	ı ·	-
1		
Fach measurement	Subtract	Off
Lacii illeasurement	<u> </u>	Off
	Std-Dev-Cor	Off
320	Std-Dev-Tra	Off
100 %	Std-Dev-Time	Off
100 %	•	Off
Off	MIP-Cor	Off
6/8	MIP-Tra	Off
Off	MIP-Time	Off
	Save original images	On
	Sequence	
64		On
1		3D
Integrated		Off
Off		Allowed
		180 Hz/Px
		No
	On Off Off Off Off On Off On Off Single 1	On Series Off Table position Off Inline Composing Off V32 single V32 A32 A32 Positioning mode MSMA Sagittal Coronal T > C-15.5 Save uncombined Coil Combine Mode AutoAlign Auto Coil Select Auto Coil Select Shim mode Adjust with body coil Confirm freq. adjustment Assume Silicone 7 Ref. amplitude 1H Adjust volume 1 Position I Orientation 1 Position I Orientation 1 Rotation I Rotation 1 Rotation I Rosation 1 Rotation I Rosp. Control None Physio Sdeg Physio None Resp. control Long term Resp. control Magnitude Inline 1 Subtract Std-Dev-Tra Std-Dev-Tra Std-Dev-Trime MiP-Tra Off <

Echo spacing	7.2 ms	
RF pulse type	Normal	
Gradient mode	Normal*	
Excitation	Non-sel.	
RF spoiling	On	

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TA	: 22:49	PAT: 3	Voxel size: 0.8×0.8×0.9 mm	Rel. SNR: 1.00	UNKNOWN:

Properties		PAT mode	GRAPPA
Prio Recon	Off	Accel. factor PE	3
Before measurement	-	Ref. lines PE	45
After measurement		Accel. factor 3D	1
Load to viewer	On	Ref. lines 3D	24
Inline movie	Off	Reference scan mode	Separate
Auto store images	On	Prescan Normalize	Off
Load to stamp segments	Off	Raw filter	Off
Load images to graphic	Off	Elliptical filter	Off
segments	O.I.	Hamming	Off
Auto open inline display	Off	Hamming	Oli
Start measurement without	On	Geometry	
further preparation	Oli	Multi-slice mode	Interleaved
	Off	Series	Ascending
Wait for user to start			
Start measurements	single	Special sat.	Parallel F
Routine		Gap	25.0 mm
Slab group 1	_	Thickness	100 mm
Slabs	1	Table position	H
Dist. factor	50 %	Table position	0 mm
Position	R30.6 A19.5 H34.0	Inline Composing	Off
Orientation	T > S26.1 > C-3.3	Inline Composing	Oli
Phase enc. dir.	A >> P	System	
Rotation	0.00 deg	V32	Off
1	0.00 deg 0 %	A32	On
Phase oversampling			
Slice oversampling	9.1 %	Positioning mode	FIX
Slices per slab	22	MSMA	S - C - T
FoV read	122.0 mm	Sagittal	R >> L
FoV phase	133.3 %	Coronal	A >> P
Slice thickness	0.90 mm	Transversal	F >> H
TR	2269.70 ms	Save uncombined	Off
TE	25 ms	Coil Combine Mode	Sum of Squares
Averages	1	AutoAlign	
Concatenations	1	Auto Coil Select	Default
Filter	None	Auto Coli Select	Delault
Coil elements	A32	Shim mode	Standard
I		Adjust with body coil	Off
Contrast		Confirm freq. adjustment	Off
Perfusion mode	SS-SI VASO	Assume Silicone	Off
TI2	650 ms	! Ref. amplitude 1H	250.000 V
TI1	50 ms	Adjustment Tolerance	Auto
TI1s	50 ms	Adjust volume	71010
Flip angle	4 deg	! Position	R27.6 A22.2 H30.4
Fat suppr.	Fat sat.	! Orientation	T > C-1.5
Fat sat. mode	Weak	! Rotation	
			90.00 deg
Averaging mode	Long term	! A >> P	185 mm
Reconstruction	Magnitude	! R >> L	112 mm
Measurements	603	! F >> H	56 mm
Delay in TR	0 ms	Physio	
Multiple series	Off	1st Signal/Mode	None
		13t Signal/Mode	None
Perfusion mode	PICORE Q2T	BOLD	
Inversion time 1	50 ms	Motion correction	Off
Saturation stop time	50 ms	Spatial filter	Off
Inversion time 2	650.0 ms	· ·	
Flow limit	100 cm/s	Sequence	
Pacalution		Introduction	On
Resolution		Dimension	3D
Base resolution	162	Reordering	Linear
		Contrasts	1
Phase resolution	100 %	Contrasts	•
Slice resolution	100 %	Bandwidth	-
		Bandwidth	1064 Hz/Px
Slice resolution	100 %	Bandwidth Free echo spacing	1064 Hz/Px Off
Slice resolution Phase partial Fourier	100 % 6/8	Bandwidth	1064 Hz/Px

Ampl 150 BWDTH 150 3.1kHz ph.skip 4 Robert (the one) 1 are you Renzo? Off Maxwell Correction Off log physio files Off FFT scale 3.00 dummy prepscan time 3 s z shim 0.00 mT/m*ms RF duration 1900 us RF BWTP 25.0 Renzo: Delta TI 67 ms EFFECTIVE TR 54472 ms PatPartitions 24 EPI phase correction local PAT refscan mode Flash FlashRef BaseRes 162 FlashRef BW 100 Hz/px FlashRef TE 6400 us FlashRef FA 5 deg use CAIPI Off	RF pulse type Gradient mode Excitation RF spoiling	Normal Fast Slab-sel. On
	BWDTH ph.skip 4 Robert (the one) are you Renzo? Maxwell Correction log physio files FFT scale dummy prepscan time z shim RF duration RF BWTP Renzo: Delta TI EFFECTIVE TR PatPartitions EPI phase correction PAT refscan mode FlashRef BaseRes FlashRef BW FlashRef TE FlashRef FA	150 3.1kHz 1 Off Off Off Off 3.00 3 s 0.00 mT/m*ms 1900 us 25.0 67 ms 54472 ms 24 local Flash 162 100 Hz/px 6400 us 5 deg