### \\USER\Dr. Behrmann\routine\Ilan\ep2d\_bold\_PMU\_resting

TA: 8:06 PAT: Off Voxel size: 3.0×3.0×3.0 mm Rel. SNR: 1.00 USER: ep2d\_bold\_PMU

Properties		Special sat.	None
Prio Recon	Off	. 1	
Before measurement		System	0.55
After measurement		Body	Off
Load to viewer	On	HEP	On
Inline movie	Off	HEA	On
Auto store images	On	SP4	Off
Load to stamp segments	Off	SP2	Off
Load images to graphic	Off	SP8	Off
segments		SP6	Off
Auto open inline display	Off	SP3	Off
Start measurement without	On	SP1	Off
further preparation	<b>3.</b>	SP7	Off
Wait for user to start	Off	SP5	Off
Start measurements	single	Positioning mode	REF
	Sirigic	Table position	H Table
Routine		position	0 mm
Slice group 1		MSMA	S - C - T
Slices	28	_	S - C - I R >> L
Dist. factor	50 %	Sagittal	- · · · -
Position	Isocenter	Coronal	A >> P
Orientation	T > C-30.0	Transversal	F >> H
Phase enc. dir.	A >> P	Coil Combine Mode	Sum of Squares
Rotation	0.00 deg	Auto Coil Select	Default
Phase oversampling	0 %	Shim mode	Standard
FoV read	192 mm	Adjust with body coil	Off
FoV phase	100.0 %	Confirm freq. adjustment	Off
Slice thickness	3.0 mm	Assume Silicone	Off
TR	2000 ms	? Ref. amplitude 1H	0.000 V
TE	30 ms	Adjustment Tolerance	Auto
Averages	1		Auto
Concatenations	1	Adjust volume Position	laccenter
Filter	Prosean Normaliza Ellintical		Isocenter
Filler	Prescan Normalize, Elliptical	Orientation	T > C-30.0
Cail alamanta	filter	Rotation	0.00 deg
Coil elements	HEA;HEP	R >> L	192 mm
Contrast		A >> P	192 mm
MTC	Off	F >> H	125 mm
Flip angle	73 deg	Physio	
Fat suppr.	Fat sat.	1st Signal/Mode	None
		1	110110
Averaging mode	Long term	BOLD	
Reconstruction	Magnitude	GLM Statistics	Off
Measurements	240	Dynamic t-maps	Off
Delay in TR	0 ms	Starting ignore meas	0
Multiple series	Off	Ignore after transition	0
Resolution		Model transition states	On
	64	Temp. highpass filter	On
Base resolution		Threshold	4.00
Phase resolution	100 %	Paradigm size	20
Phase partial Fourier	Off	Meas[1]	Baseline
Interpolation	Off	Meas[2]	Baseline
PAT mode	None	Meas[3]	Baseline
Matrix Coil Mode	Auto (CP)	Meas[4]	Baseline
		Meas[5]	Baseline
Distortion Corr.	Off	Meas[6]	Baseline
Unfiltered images	Off	Meas[7]	Baseline
Prescan Normalize	On		Baseline Baseline
Raw filter	<on></on>	Meas[8]	
Elliptical filter	On	Meas[9]	Baseline
Mode	Inplane	Meas[10]	Baseline
Hamming	Off	Meas[11]	Active
		Meas[12]	Active
Geometry		Meas[13]	Active
Multi-slice mode	Interleaved	Meas[14]	Active
Series	Interleaved	Meas[15]	Active
1 3333		1/+	

Meas[16]	Active Meas[17]
	Active Meas[18]
	Active Meas[19]
	Active Meas[20]
	Active Motion
correction	Off Spatial filter
	Off

### Sequence

Introduction Hz/Px Free echo spacing Echo spacing	On Bandwidth 1628 Off 0.68 ms
EPI factor RF pulse type Gradient mode	64 Normal Fast
Physio_Log	On

## \\USER\Dr. Behrmann\routine\IIan\ep2d\_bold\_PMU\_resting

TA: 8:06 PAT: Off Voxel size: 3.0×3.0×3.0 mm Rel. SNR: 1.00 USER: ep2d\_bold\_PMU

Properties		Special sat.	None
Prio Recon	Off	- I ·	HOHE
Before measurement		System	
After measurement		Body	Off
Load to viewer	On	HEP	On
Inline movie	Off	HEA	On
Auto store images	On	SP4	Off
Load to stamp segments	Off	SP2	Off
Load images to graphic	Off	SP8	Off
segments		SP6	Off
Auto open inline display	Off	SP3	Off
Start measurement without	On	SP1	Off
further preparation	OII	SP7	Off
Wait for user to start	Off	SP5	Off
Start measurements	single	Positioning mode	REF
I	Sirigio	Table position	H Table
Routine		- position	0 mm
Slice group 1		MSMA	S - C - T
Slices	21	Sagittal	R >> L
Dist. factor	50 %	Coronal	A >> P
Position	Isocenter	Transversal	F >> H
Orientation	T > C-30.0	Coil Combine Mode	
Phase enc. dir.	A >> P		Sum of Squares
Rotation	0.00 deg	Auto Coil Select	Default
Phase oversampling	0 %	Shim mode	Standard
FoV read	192 mm	Adjust with body coil	Off
FoV phase	100.0 %	Confirm freq. adjustment	Off
Slice thickness	3.0 mm	Assume Silicone	Off
TR	1500 ms	? Ref. amplitude 1H	0.000 V
TE	30 ms	Adjustment Tolerance	Auto
Averages	1	Adjust volume	Auto
Concatenations	1	Position	Isocenter
Filter	Prescan Normalize, Elliptical		T > C-30.0
1 iiiei	filter	Orientation	
Coil elements	HEA;HEP	Rotation	0.00 deg
Con elements	HEA,HEF	R >> L	192 mm
Contrast		A >> P -	192 mm 125 mm
MTC	Off	-  11	123 11111
Flip angle	73 deg	Physio	
Fat suppr.	Fat sat.	1st Signal/Mode	None
Averaging mode	Long torm	BOLD.	
Averaging mode	Long term	BOLD	0"
Reconstruction	Magnitude	GLM Statistics	Off
Measurements	240	Dynamic t-maps	Off
Delay in TR	0 ms	Starting ignore meas	0
Multiple series			
1	Off	Ignore after transition	0
Resolution	Off	Model transition states	On
Resolution		Model transition states - Temp. highpass filter	On On
Resolution  Base resolution	64	Model transition states Temp. highpass filter Threshold	On On 4.00
Resolution  Base resolution  Phase resolution	64 100 %	Model transition states Temp. highpass filter Threshold Paradigm size	On On 4.00 20
Resolution  Base resolution  Phase resolution  Phase partial Fourier	64 100 % Off	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1]	On On 4.00 20 Baseline
Resolution  Base resolution  Phase resolution  Phase partial Fourier  Interpolation	64 100 %	Model transition states Temp. highpass filter Threshold Paradigm size	On On 4.00 20
Resolution  Base resolution  Phase resolution  Phase partial Fourier	64 100 % Off	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1]	On On 4.00 20 Baseline
Resolution  Base resolution  Phase resolution  Phase partial Fourier  Interpolation	64 100 % Off Off	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2]	On On 4.00 20 Baseline Baseline
Resolution  Base resolution  Phase resolution  Phase partial Fourier  Interpolation  PAT mode  Matrix Coil Mode	64 100 % Off Off None Auto (CP)	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3]	On On 4.00 20 Baseline Baseline Baseline
Resolution  Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Matrix Coil Mode  Distortion Corr.	64 100 % Off Off None Auto (CP)	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4]	On On 4.00 20 Baseline Baseline Baseline Baseline Baseline
Resolution  Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Matrix Coil Mode  Distortion Corr. Unfiltered images	64 100 % Off Off  None Auto (CP)  Off	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5]	On On 4.00 20 Baseline Baseline Baseline Baseline Baseline Baseline Baseline
Resolution  Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Matrix Coil Mode  Distortion Corr. Unfiltered images Prescan Normalize	64 100 % Off Off  None Auto (CP)  Off Off Off	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7]	On On 4.00 20 Baseline Baseline Baseline Baseline Baseline Baseline Baseline Baseline
Resolution  Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Matrix Coil Mode  Distortion Corr. Unfiltered images Prescan Normalize Raw filter	64 100 % Off Off None Auto (CP)  Off Off Off On <on></on>	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[7]	On On 4.00 20 Baseline
Resolution  Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Matrix Coil Mode  Distortion Corr. Unfiltered images Prescan Normalize Raw filter Elliptical filter	64 100 % Off Off None Auto (CP)  Off Off Or <on> On</on>	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[7] Meas[8] Meas[9]	On On 4.00 20 Baseline
Resolution  Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Matrix Coil Mode  Distortion Corr. Unfiltered images Prescan Normalize Raw filter Elliptical filter Mode	64 100 % Off Off None Auto (CP)  Off Off On <on> On Inplane</on>	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[7] Meas[8] Meas[9] Meas[10]	On On 4.00 20 Baseline
Resolution  Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Matrix Coil Mode  Distortion Corr. Unfiltered images Prescan Normalize Raw filter Elliptical filter	64 100 % Off Off None Auto (CP)  Off Off Or <on> On</on>	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11]	On On 4.00 20 Baseline
Resolution  Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Matrix Coil Mode  Distortion Corr. Unfiltered images Prescan Normalize Raw filter Elliptical filter Mode Hamming	64 100 % Off Off None Auto (CP)  Off Off On <on> On Inplane</on>	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11] Meas[12]	On On 4.00 20 Baseline Active Active
Resolution  Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Matrix Coil Mode  Distortion Corr. Unfiltered images Prescan Normalize Raw filter Elliptical filter Mode Hamming  Geometry	64 100 % Off Off None Auto (CP)  Off Off On <on> On Inplane Off</on>	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11] Meas[12] Meas[13]	On On 4.00 20 Baseline Active Active Active
Resolution  Base resolution Phase resolution Phase partial Fourier Interpolation  PAT mode Matrix Coil Mode  Distortion Corr. Unfiltered images Prescan Normalize Raw filter Elliptical filter Mode Hamming	64 100 % Off Off None Auto (CP)  Off Off On <on> On Inplane</on>	Model transition states Temp. highpass filter Threshold Paradigm size Meas[1] Meas[2] Meas[3] Meas[4] Meas[5] Meas[6] Meas[7] Meas[8] Meas[9] Meas[10] Meas[11] Meas[12]	On On 4.00 20 Baseline Active Active

Meas[16]	Active
Meas[17]	Active
Meas[18]	Active
Meas[19]	Active
Meas[20]	Active
Motion correction	Off
Spatial filter	Off

### Sequence

	Introduction Bandwidth Free echo spacing Echo spacing	On 1628 Hz/Px Off 0.68 ms
	EPI factor RF pulse type Gradient mode	64 Normal Fast
	Physio_Log	On