

3Plane Loc SSFSE	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		3Plane Loc SSFSE
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	Spin Echo	
	Coil Configuration	Nova 32ch-Brain	Imaging Options	Seq, EDR, Fast, SS, ARC	
	Plane	3-PLANE	<b>SCAN RANGE</b>		
	Series Description	3Plane Loc SSFSE	FOV	24.0	
	<b>SCAN TIMING</b>		Slice Thickness	8.0	
	TE	80.0	Slice Spacing	0.0	
	Number of Echoes	1	<b>ACQ TIMING</b>		
	TR	Minimum	Freq	384	
	Receiver Bandwidth	83.33	Phase	160	
	<b>IMAGE ENHANCE</b>		Freq DIR	Unswap	
	Filter Choice	None	# of Acq. Before Pause	0	
	<b>GATING/TRIGGER</b>		Phase FOV	1.00	
	Auto Trigger Type	Off	Auto Shim	Auto	
	<b>FMRI</b>		Phase Correction	No	
	PSD Trigger	Internal	<b>USER CVS</b>		
	View Order	Bottom/Up	User CV1	1.00	
	# of Repetitions REST	0	User CV2	240.00	
	# of Repetitions ACTIVE	0	User CV13	1.00	
	<b>SAT</b>		<b>MULTI-PHASE</b>		
	Tag Type	None	Seperate Series	0	
	<b>TRICKS</b>		Mask Phase	0	
	Pause On/Off	On	Mask Pause	0	
	Auto Subtract	0	<b>DIFFUSION</b>		
Auto SCIC	Off	Recon All Images	On		
		<b>CONTRAST</b>			
		Contrast Yes/No	No		

ASSET calibration	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		ASSET calibration
	Patient Entry	Head First	Imaging Mode	3D	
	Patient Position	Supine	Pulse Sequence	SPGR	
	Coil Configuration	Nova 32ch-Brain	Imaging Options	EDR, Fast, ZIP2, Calib	
	Plane	AXIAL	<b>SCAN RANGE</b>		
	Series Description	ASSET calibration	FOV	30.0	
	<b>SCAN TIMING</b>		Slice Thickness	9.4	
	Number of Echoes	1	<b>ACQ TIMING</b>		
	<b>IMAGE ENHANCE</b>		Freq DIR	R/L	
	Filter Choice	None	Auto Shim	Auto	
	<b>GATING/TRIGGER</b>		Phase Correction	No	
	Auto Trigger Type	Off	<b>FMRI</b>		
	<b>MULTI-PHASE</b>		PSD Trigger	Internal	
	Seperate Series	0	View Order	Bottom/Up	
	Mask Phase	0	# of Repetitions REST	0	
	Mask Pause	0	# of Repetitions ACTIVE	0	
	<b>DIFFUSION</b>		<b>SAT</b>		
	Recon All Images	On	Tag Type	None	
	<b>CONTRAST</b>		<b>TRICKS</b>		
	Contrast Yes/No	No	Pause On/Off	On	
		Auto Subtract	0		
		Auto SCIC	Off		
		<b>OTHERS</b>			
		Protocol Notes	calibration scan must cover all of brain used for ASSET&PURE		

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	SPGR
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EDR, Fast, ARC, PROMO, IrP
Plane	SAGITTAL	PSD Name	research/mprage_promo2
Series Description	MPRAGE PROMO		
SCAN TIMING		SCAN RANGE	
Flip Angle	8	FOV	25.6
TE	Min Full	Slice Thickness	0.8
Number of Echoes	1	Location per Slab	230
TI	1060	Overlap Locations	0
Receiver Bandwidth	62.50		
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	None	Freq	320
		Phase	320
GATING/TRIGGER		Freq DIR	S/I
Auto Trigger Type	Off	NEX	1.00
FMRI		Phase FOV	0.90
PSD Trigger	Internal	Auto Shim	Auto
View Order	Bottom/Up	Phase Correction	No
# of Repetitions REST	0	USER CVS	
# of Repetitions ACTIVE	0	User CV6	1.00
DIFFUSION		User CV8	1.00
Recon All Images	On	User CV9	24.00
CONTRAST		User CV10	24.00
Contrast Yes/No	No	User CV23	100.00
		User CV24	2488.00
		MULTI-PHASE	
		Seperate Series	0
		Trigger Delay without AV	0
		Mask Phase	0
		Mask Pause	0
		TRICKS	
		Pause On/Off	On
		Auto Subtract	0
		Auto SCIC	2

MPRAGE PROMO

MPRAGE PROMO

T1w .8mm sag	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		T1w .8mm sag
	Patient Entry	Head First	Imaging Mode	3D	
	Patient Position	Supine	Pulse Sequence	BRAVO	
	Coil Configuration	Nova 32ch-Brain	Imaging Options	EDR, Fast, ARC, IrP	
	Plane	SAGITTAL	<b>SCAN RANGE</b>		
	Series Description	T1w .8mm sag	FOV	24.0	
	<b>SCAN TIMING</b>		Slice Thickness	0.8	
	Flip Angle	12	Location per Slab	216	
	Number of Echoes	1	Overlap Locations	0	
	TI	450	<b>ACQ TIMING</b>		
	Receiver Bandwidth	41.67	Freq	300	
	<b>IMAGE ENHANCE</b>		Phase	300	
	Filter Choice	None	Freq DIR	S/I	
	<b>GATING/TRIGGER</b>		NEX	1.00	
	Auto Trigger Type	Off	Phase FOV	1.00	
	<b>MULTI-PHASE</b>		Auto Shim	Auto	
	Seperate Series	0	Phase Correction	No	
	Trigger Delay without AV	0	<b>FMRI</b>		
	Mask Phase	0	PSD Trigger	Internal	
	Mask Pause	0	Slice Order	Interleaved	
	<b>DIFFUSION</b>		View Order	Bottom/Up	
	Recon All Images	On	# of Repetitions REST	0	
	<b>CONTRAST</b>		# of Repetitions ACTIVE	0	
	Contrast Yes/No	No	<b>SAT</b>		
			Tag Type	None	
		<b>TRICKS</b>			
		Pause On/Off	On		
		Auto Subtract	0		
		Auto SCIC	Off		
		<b>OTHERS</b>			
		Protocol Notes	Need 2-3 repeats (averaged in post-processing) to get good SNR.		

T2w CUBE PROMO .8mm sag	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	Cube
	Coil Configuration	Nova 32ch-Brain	Imaging Options	EDR, Fast, FR, ARC, PROMO
	Plane	SAGITTAL	<b>SCAN RANGE</b>	
	Series Description	T2w CUBE PROMO .8mm sag	FOV	24.0
	<b>SCAN TIMING</b>		Slice Thickness	0.8
	TE	Maximum	Location per Slab	216
	TR	2500.0	Overlap Locations	0
	Echo Train Length	120	<b>ACQ TIMING</b>	
	Receiver Bandwidth	125.00	Freq	320
	<b>IMAGE ENHANCE</b>		Phase	320
	Filter Choice	None	Freq DIR	S/I
	<b>GATING/TRIGGER</b>		NEX	1.00
	Auto Trigger Type	Off	Phase FOV	1.00
	<b>MULTI-PHASE</b>		Auto Shim	Auto
	Seperate Series	0	Phase Correction	No
	Mask Phase	0	<b>FMRI</b>	
	Mask Pause	0	PSD Trigger	Internal
	<b>DIFFUSION</b>		Slice Order	Interleaved
	Recon All Images	On	View Order	Bottom/Up
	<b>CONTRAST</b>		# of Repetitions REST	0
	Contrast Yes/No	No	# of Repetitions ACTIVE	0
			<b>SAT</b>	
			Tag Type	None
		<b>TRICKS</b>		
		Pause On/Off	On	
		Auto Subtract	0	
		Auto SCIC	Off	
		<b>OTHERS</b>		
		Protocol Notes	Imaging Tip: To prevent slab wrap, cover all anatomy from side to side.	

T2w CUBE PROMO .8mm sag

HO Shim	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>		HO Shim
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	Gradient Echo	
	Coil Configuration	Nova 32ch-Brain	Imaging Options	None	
	Plane	AXIAL	PSD Name	sprl_hos	
	Series Description	HO Shim	<b>SCAN RANGE</b>		
	<b>SCAN TIMING</b>		FOV	24.0	
	Flip Angle	60	Slice Thickness	5.8	
	TE	7.0	Slice Spacing	0.0	
	Number of Echoes	1	<b>ACQ TIMING</b>		
	TR	1558.0	Freq	64	
	<b>IMAGE ENHANCE</b>		Freq DIR	A/P	
	Filter Choice	None	NEX	1.00	
	<b>GATING/TRIGGER</b>		Auto Shim	Off	
	Auto Trigger Type	Off	Phase Correction	No	
	<b>FMRI</b>		<b>USER CVS</b>		
	PSD Trigger	Internal	User CV0	2.00	
	Slice Order	Interleaved	User CV1	2.00	
	View Order	Bottom/Up	User CV3	99.00	
	# of Repetitions REST	0	User CV4	64.00	
	# of Repetitions ACTIVE	0	User CV5	0.50	
	<b>SAT</b>		<b>MULTI-PHASE</b>		
	Tag Type	None	Seperate Series	0	
	<b>TRICKS</b>		Mask Phase	0	
	Pause On/Off	On	Mask Pause	0	
Auto Subtract	0	<b>DIFFUSION</b>			
Auto SCIC	Off	Recon All Images	On		
		<b>CONTRAST</b>			
		Contrast Yes/No	No		

SE fieldmap pe0	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
	Plane	OBLIQUE	PSD Name	muxarcepi
	Series Description	SE fieldmap pe0	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	22.0
	TE	Min Full	Slice Thickness	2.4
	Number of Echoes	1	Slice Spacing	0.0
	TR	6000.0	<b>ACQ TIMING</b>	
	Number of Shots	1	Freq	92
	<b>IMAGE ENHANCE</b>		Phase	92
	Filter Choice	None	Freq DIR	R/L
	<b>GATING/TRIGGER</b>		NEX	1.00
	Auto Trigger Type	Off	Phase FOV	1.00
	<b>FMRI</b>		Auto Shim	Auto
	PSD Trigger	Internal	Phase Correction	Yes
	View Order	Bottom/Up	<b>USER CVS</b>	
	# of Repetitions REST	0	User CV0	1.00
	# of Repetitions ACTIVE	0	User CV3	1.00
<b>SAT</b>		User CV5	1.00	
Tag Type	None	User CV6	8000.00	
Fat/Water Saturation	Fat	User CV7	1.00	
<b>TRICKS</b>		User CV17	1.00	
Pause On/Off	On	User CV18	3200.00	
Auto Subtract	0	User CV22	1.00	
Auto SCIC	Off	<b>MULTI-PHASE</b>		
<b>OTHERS</b>		Slice per Location	3	
Protocol Notes	Number of slices: 60	Phase Acquisition Order	Interleaved	
		Delay after Acquisition	Minimum	
		Seperate Series	0	
		Mask Phase	0	
		Mask Pause	0	
		<b>DIFFUSION</b>		
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

SE fieldmap pe0

SE fieldmap pe1	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
	Plane	OBLIQUE	PSD Name	muxarcepi
	Series Description	SE fieldmap pe1	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	22.0
	TE	Min Full	Slice Thickness	2.4
	Number of Echoes	1	Slice Spacing	0.0
	TR	6000.0	<b>ACQ TIMING</b>	
	Number of Shots	1	Freq	92
	<b>IMAGE ENHANCE</b>		Phase	92
	Filter Choice	None	Freq DIR	R/L
	<b>GATING/TRIGGER</b>		NEX	1.00
	Auto Trigger Type	Off	Phase FOV	1.00
	<b>FMRI</b>		Auto Shim	Auto
	PSD Trigger	Internal	Phase Correction	Yes
	View Order	Bottom/Up	<b>USER CVS</b>	
	# of Repetitions REST	0	User CV0	1.00
	# of Repetitions ACTIVE	0	User CV3	1.00
<b>SAT</b>		User CV5	1.00	
Tag Type	None	User CV6	8000.00	
Fat/Water Saturation	Fat	User CV7	1.00	
<b>TRICKS</b>		User CV9	1.00	
Pause On/Off	On	User CV17	1.00	
Auto Subtract	0	User CV18	3200.00	
Auto SCIC	Off	User CV22	1.00	
<b>OTHERS</b>		<b>MULTI-PHASE</b>		
Protocol Notes	Number of slices: 60	Slice per Location	3	
		Phase Acquisition Order	Interleaved	
		Delay after Acquisition	Minimum	
		Seperate Series	0	
		Mask Phase	0	
		Mask Pause	0	
		<b>DIFFUSION</b>		
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

SE fieldmap pe1



BOLD SB ref	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Gradient Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
	Plane	OBLIQUE	PSD Name	muxarcepi
	Series Description	BOLD SB ref	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	22.0
	Flip Angle	90	Slice Thickness	2.4
	TE	30.0	Slice Spacing	0.0
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	4400.0	Freq	92
	Number of Shots	1	Phase	92
	<b>IMAGE ENHANCE</b>		Freq DIR	R/L
	Filter Choice	None	NEX	1.00
	<b>GATING/TRIGGER</b>		Phase FOV	1.00
	Auto Trigger Type	Off	Auto Shim	Off
	<b>FMRI</b>		Phase Correction	Yes
	PSD Trigger	Internal	<b>USER CVS</b>	
	View Order	Bottom/Up	User CV0	1.00
	# of Repetitions REST	0	User CV3	1.00
	# of Repetitions ACTIVE	0	User CV5	1.00
	<b>SAT</b>		User CV6	8000.00
	Tag Type	None	User CV7	1.00
	Fat/Water Saturation	Fat	User CV17	1.00
	<b>TRICKS</b>		User CV18	3200.00
Pause On/Off	On	User CV22	1.00	
Auto Subtract	0	<b>MULTI-PHASE</b>		
Auto SCIC	Off	Slice per Location	3	
<b>OTHERS</b>		Phase Acquisition Order	Interleaved	
Protocol Notes	Number of slices: 60	Delay after Acquisition	Minimum	
		Seperate Series	0	
		Mask Phase	0	
		Mask Pause	0	
		<b>DIFFUSION</b>		
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

BOLD SB ref

<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
Plane	OBLIQUE	PSD Name	muxarcepi
Series Description	rsFmri2.4 pe1	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	22.0
Flip Angle	54	Slice Thickness	2.4
TE	30.0	Slice Spacing	0.0
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	710.0	Freq	92
Number of Shots	1	Phase	92
<b>IMAGE ENHANCE</b>		Freq DIR	R/L
Filter Choice	None	NEX	1.00
<b>GATING/TRIGGER</b>		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
<b>FMRI</b>		Phase Correction	Yes
PSD Trigger	Internal	<b>USER CVS</b>	
Slice Order	Interleaved	User CV0	1.00
View Order	Bottom/Up	User CV3	1.00
# of Repetitions REST	0	User CV5	1.00
# of Repetitions ACTIVE	0	User CV6	8000.00
<b>SAT</b>		User CV7	1.00
Tag Type	None	User CV9	1.00
<b>TRICKS</b>		User CV16	3.00
Pause On/Off	On	User CV17	2.00
Auto Subtract	0	User CV18	4000.00
Auto SCIC	Off	User CV22	6.00
<b>OTHERS</b>		User CV24	1.00
Protocol Notes	Number of slices: 10 (change to 60 for Rx)	<b>MULTI-PHASE</b>	
		Slice per Location	440
		Phase Acquisition Order	Interleaved
		Delay after Acquisition	Minimum
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

rsFmri2.4 pe1

rsFmri2.4 pe1

<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
Plane	OBLIQUE	PSD Name	muxarcepi
Series Description	rsFmri2.4 pe0	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	22.0
Flip Angle	54	Slice Thickness	2.4
TE	30.0	Slice Spacing	0.0
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	710.0	Freq	92
Number of Shots	1	Phase	92
<b>IMAGE ENHANCE</b>		Freq DIR	R/L
Filter Choice	None	NEX	1.00
<b>GATING/TRIGGER</b>		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
<b>FMRI</b>		Phase Correction	Yes
PSD Trigger	Internal	<b>USER CVS</b>	
Slice Order	Interleaved	User CV0	1.00
View Order	Bottom/Up	User CV3	1.00
# of Repetitions REST	0	User CV5	1.00
# of Repetitions ACTIVE	0	User CV6	8000.00
<b>SAT</b>		User CV7	1.00
Tag Type	None	User CV16	3.00
<b>TRICKS</b>		User CV17	2.00
Pause On/Off	On	User CV18	4000.00
Auto Subtract	0	User CV22	6.00
Auto SCIC	Off	User CV24	1.00
<b>OTHERS</b>		<b>MULTI-PHASE</b>	
Protocol Notes	Number of slices: 10 (change to 60 for Rx)	Slice per Location	440
		Phase Acquisition Order	Interleaved
		Delay after Acquisition	Minimum
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

rsFmri2.4 pe0

rsFmri2.4 pe0

BOLD SB ref	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Gradient Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
	Plane	OBLIQUE	PSD Name	muxarcepi
	Series Description	BOLD SB ref	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	22.0
	Flip Angle	90	Slice Thickness	2.4
	TE	30.0	Slice Spacing	0.0
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	4400.0	Freq	92
	Number of Shots	1	Phase	92
	<b>IMAGE ENHANCE</b>		Freq DIR	R/L
	Filter Choice	None	NEX	1.00
	<b>GATING/TRIGGER</b>		Phase FOV	1.00
	Auto Trigger Type	Off	Auto Shim	Off
	<b>FMRI</b>		Phase Correction	Yes
	PSD Trigger	Internal	<b>USER CVS</b>	
	View Order	Bottom/Up	User CV0	1.00
	# of Repetitions REST	0	User CV3	1.00
	# of Repetitions ACTIVE	0	User CV5	1.00
	<b>SAT</b>		User CV6	8000.00
	Tag Type	None	User CV7	1.00
	Fat/Water Saturation	Fat	User CV17	1.00
	<b>TRICKS</b>		User CV18	3200.00
Pause On/Off	On	User CV22	1.00	
Auto Subtract	0	<b>MULTI-PHASE</b>		
Auto SCIC	Off	Slice per Location	3	
<b>OTHERS</b>		Phase Acquisition Order	Interleaved	
Protocol Notes	Number of slices: 60	Delay after Acquisition	Minimum	
		Seperate Series	0	
		Mask Phase	0	
		Mask Pause	0	
		<b>DIFFUSION</b>		
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

BOLD SB ref

<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
Plane	OBLIQUE	PSD Name	muxarcepi
Series Description	tFmri WM pe1	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	22.0
Flip Angle	54	Slice Thickness	2.4
TE	30.0	Slice Spacing	0.0
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	710.0	Freq	92
Number of Shots	1	Phase	92
<b>IMAGE ENHANCE</b>		Freq DIR	R/L
Filter Choice	None	NEX	1.00
<b>GATING/TRIGGER</b>		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
<b>FMRI</b>		Phase Correction	Yes
PSD Trigger	Internal	<b>USER CVS</b>	
View Order	Bottom/Up	User CV0	1.00
# of Repetitions REST	0	User CV3	1.00
# of Repetitions ACTIVE	0	User CV5	1.00
<b>SAT</b>		User CV6	8000.00
Tag Type	None	User CV7	1.00
<b>TRICKS</b>		User CV9	1.00
Pause On/Off	On	User CV16	3.00
Auto Subtract	0	User CV17	2.00
Auto SCIC	Off	User CV18	4000.00
<b>OTHERS</b>		User CV22	6.00
Protocol Notes	Number of slices: 10 (change to 60 for Rx)	User CV24	1.00
		<b>MULTI-PHASE</b>	
		Slice per Location	12
		Phase Acquisition Order	Interleaved
		Delay after Acquisition	Minimum
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
Plane	OBLIQUE	PSD Name	muxarcepi
Series Description	tFmri WM pe0	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	22.0
Flip Angle	54	Slice Thickness	2.4
TE	30.0	Slice Spacing	0.0
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	710.0	Freq	92
Number of Shots	1	Phase	92
<b>IMAGE ENHANCE</b>		Freq DIR	R/L
Filter Choice	None	NEX	1.00
<b>GATING/TRIGGER</b>		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
<b>FMRI</b>		Phase Correction	Yes
PSD Trigger	Internal	<b>USER CVS</b>	
View Order	Bottom/Up	User CV0	1.00
# of Repetitions REST	0	User CV2	1.00
# of Repetitions ACTIVE	0	User CV3	1.00
<b>SAT</b>		User CV5	1.00
Tag Type	None	User CV6	8000.00
<b>TRICKS</b>		User CV7	1.00
Pause On/Off	On	User CV16	3.00
Auto Subtract	0	User CV17	2.00
Auto SCIC	Off	User CV18	4000.00
<b>OTHERS</b>		User CV22	6.00
Protocol Notes	Number of slices: 10 (change to 60 for Rx)	User CV24	1.00
		<b>MULTI-PHASE</b>	
		Slice per Location	432
		Phase Acquisition Order	Interleaved
		Delay after Acquisition	Minimum
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

tFmri WM pe0

tFmri WM pe0

BOLD SB ref	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Gradient Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
	Plane	OBLIQUE	PSD Name	muxarcepi
	Series Description	BOLD SB ref	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	22.0
	Flip Angle	90	Slice Thickness	2.4
	TE	30.0	Slice Spacing	0.0
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	4400.0	Freq	92
	Number of Shots	1	Phase	92
	<b>IMAGE ENHANCE</b>		Freq DIR	R/L
	Filter Choice	None	NEX	1.00
	<b>GATING/TRIGGER</b>		Phase FOV	1.00
	Auto Trigger Type	Off	Auto Shim	Off
	<b>FMRI</b>		Phase Correction	Yes
	PSD Trigger	Internal	<b>USER CVS</b>	
	View Order	Bottom/Up	User CV0	1.00
	# of Repetitions REST	0	User CV3	1.00
	# of Repetitions ACTIVE	0	User CV5	1.00
	<b>SAT</b>		User CV6	8000.00
	Tag Type	None	User CV7	1.00
	Fat/Water Saturation	Fat	User CV17	1.00
	<b>TRICKS</b>		User CV18	3200.00
Pause On/Off	On	User CV22	1.00	
Auto Subtract	0	<b>MULTI-PHASE</b>		
Auto SCIC	Off	Slice per Location	3	
<b>OTHERS</b>		Phase Acquisition Order	Interleaved	
Protocol Notes	Number of slices: 60	Delay after Acquisition	Minimum	
		Seperate Series	0	
		Mask Phase	0	
		Mask Pause	0	
		<b>DIFFUSION</b>		
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

BOLD SB ref

<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
Plane	OBLIQUE	PSD Name	muxarcepi
Series Description	tFmri Emotion pe1	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	22.0
Flip Angle	54	Slice Thickness	2.4
TE	30.0	Slice Spacing	0.0
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	710.0	Freq	92
Number of Shots	1	Phase	92
<b>IMAGE ENHANCE</b>		Freq DIR	R/L
Filter Choice	None	NEX	1.00
<b>GATING/TRIGGER</b>		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
<b>FMRI</b>		Phase Correction	Yes
PSD Trigger	Internal	<b>USER CVS</b>	
View Order	Bottom/Up	User CV0	1.00
# of Repetitions REST	0	User CV3	1.00
# of Repetitions ACTIVE	0	User CV5	1.00
<b>SAT</b>		User CV6	8000.00
Tag Type	None	User CV7	1.00
<b>TRICKS</b>		User CV9	1.00
Pause On/Off	On	User CV16	3.00
Auto Subtract	0	User CV17	2.00
Auto SCIC	Off	User CV18	4000.00
<b>OTHERS</b>		User CV22	6.00
Protocol Notes	Number of slices: 10 (change to 60 for Rx)	User CV24	1.00
		<b>MULTI-PHASE</b>	
		Slice per Location	12
		Phase Acquisition Order	Interleaved
		Delay after Acquisition	Minimum
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

tFmri Emotion pe1

tFmri Emotion pe1



<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
Plane	OBLIQUE	PSD Name	muxarcepi
Series Description	tFmri Emotion pe0	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	22.0
Flip Angle	54	Slice Thickness	2.4
TE	30.0	Slice Spacing	0.0
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	710.0	Freq	92
Number of Shots	1	Phase	92
<b>IMAGE ENHANCE</b>		Freq DIR	R/L
Filter Choice	None	NEX	1.00
<b>GATING/TRIGGER</b>		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
<b>FMRI</b>		Phase Correction	Yes
PSD Trigger	Internal	<b>USER CVS</b>	
View Order	Bottom/Up	User CV0	1.00
# of Repetitions REST	0	User CV2	1.00
# of Repetitions ACTIVE	0	User CV3	1.00
<b>SAT</b>		User CV5	1.00
Tag Type	None	User CV6	8000.00
<b>TRICKS</b>		User CV7	1.00
Pause On/Off	On	User CV16	3.00
Auto Subtract	0	User CV17	2.00
Auto SCIC	Off	User CV18	4000.00
<b>OTHERS</b>		User CV22	6.00
Protocol Notes	Number of slices: 10 (change to 60 for Rx)	User CV24	1.00
		<b>MULTI-PHASE</b>	
		Slice per Location	500
		Phase Acquisition Order	Interleaved
		Delay after Acquisition	Minimum
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

tFmri Emotion pe0

tFmri Emotion pe0

BOLD SB ref	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Gradient Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
	Plane	OBLIQUE	PSD Name	muxarcepi
	Series Description	BOLD SB ref	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	22.0
	Flip Angle	90	Slice Thickness	2.4
	TE	30.0	Slice Spacing	0.0
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	4400.0	Freq	92
	Number of Shots	1	Phase	92
	<b>IMAGE ENHANCE</b>		Freq DIR	R/L
	Filter Choice	None	NEX	1.00
	<b>GATING/TRIGGER</b>		Phase FOV	1.00
	Auto Trigger Type	Off	Auto Shim	Off
	<b>FMRI</b>		Phase Correction	Yes
	PSD Trigger	Internal	<b>USER CVS</b>	
	View Order	Bottom/Up	User CV0	1.00
	# of Repetitions REST	0	User CV3	1.00
	# of Repetitions ACTIVE	0	User CV5	1.00
	<b>SAT</b>		User CV6	8000.00
	Tag Type	None	User CV7	1.00
	Fat/Water Saturation	Fat	User CV17	1.00
	<b>TRICKS</b>		User CV18	3200.00
Pause On/Off	On	User CV22	1.00	
Auto Subtract	0	<b>MULTI-PHASE</b>		
Auto SCIC	Off	Slice per Location	3	
<b>OTHERS</b>		Phase Acquisition Order	Interleaved	
Protocol Notes	Number of slices: 60	Delay after Acquisition	Minimum	
		Seperate Series	0	
		Mask Phase	0	
		Mask Pause	0	
		<b>DIFFUSION</b>		
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

BOLD SB ref

<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
Plane	OBLIQUE	PSD Name	muxarcepi
Series Description	tFmri Gambling pe1	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	22.0
Flip Angle	54	Slice Thickness	2.4
TE	30.0	Slice Spacing	0.0
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	710.0	Freq	92
Number of Shots	1	Phase	92
<b>IMAGE ENHANCE</b>		Freq DIR	R/L
Filter Choice	None	NEX	1.00
<b>GATING/TRIGGER</b>		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
<b>FMRI</b>		Phase Correction	Yes
PSD Trigger	Internal	<b>USER CVS</b>	
View Order	Bottom/Up	User CV0	1.00
# of Repetitions REST	0	User CV3	1.00
# of Repetitions ACTIVE	0	User CV5	1.00
<b>SAT</b>		User CV6	8000.00
Tag Type	None	User CV7	1.00
<b>TRICKS</b>		User CV9	1.00
Pause On/Off	On	User CV16	3.00
Auto Subtract	0	User CV17	2.00
Auto SCIC	Off	User CV18	4000.00
<b>OTHERS</b>		User CV22	6.00
Protocol Notes	Number of slices: 10 (change to 60 for Rx)	User CV24	1.00
		<b>MULTI-PHASE</b>	
		Slice per Location	12
		Phase Acquisition Order	Interleaved
		Delay after Acquisition	Minimum
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

tFmri Gambling pe1

tFmri Gambling pe1

<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI
Plane	OBLIQUE	PSD Name	muxarcepi
Series Description	tFmri Gambling pe0	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	22.0
Flip Angle	54	Slice Thickness	2.4
TE	30.0	Slice Spacing	0.0
Number of Echoes	1	<b>ACQ TIMING</b>	
TR	710.0	Freq	92
Number of Shots	1	Phase	92
<b>IMAGE ENHANCE</b>		Freq DIR	R/L
Filter Choice	None	NEX	1.00
<b>GATING/TRIGGER</b>		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
<b>FMRI</b>		Phase Correction	Yes
PSD Trigger	Internal	<b>USER CVS</b>	
View Order	Bottom/Up	User CV0	1.00
# of Repetitions REST	0	User CV2	1.00
# of Repetitions ACTIVE	0	User CV3	1.00
<b>SAT</b>		User CV5	1.00
Tag Type	None	User CV6	8000.00
<b>TRICKS</b>		User CV7	1.00
Pause On/Off	On	User CV16	3.00
Auto Subtract	0	User CV17	2.00
Auto SCIC	Off	User CV18	4000.00
<b>OTHERS</b>		User CV22	6.00
Protocol Notes	Number of slices: 10 (change to 60 for Rx)	User CV24	1.00
		<b>MULTI-PHASE</b>	
		Slice per Location	400
		Phase Acquisition Order	Interleaved
		Delay after Acquisition	Minimum
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No

tFmri Gambling pe0

tFmri Gambling pe0

go-no-go 2	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Gradient Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI, Asset
	Plane	OBLIQUE	PSD Name	cni_epi
	Series Description	go-no-go 2	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	22.2
	Flip Angle	77	Slice Thickness	3.0
	TE	27.5	Slice Spacing	0.0
	TR	2000.0	<b>ACQ TIMING</b>	
	Number of Shots	1	Freq	74
	<b>IMAGE ENHANCE</b>		Phase	74
	Filter Choice	None	Freq DIR	R/L
	<b>GATING/TRIGGER</b>		NEX	1.00
	Auto Trigger Type	Off	Phase FOV	1.00
	<b>FMRI</b>		Auto Shim	Auto
	PSD Trigger	Internal	Phase Correction	Yes
	Slice Order	Interleaved	<b>USER CVS</b>	
	View Order	Bottom/Up	User CV0	1.00
	# of Repetitions REST	0	User CV2	1.00
	# of Repetitions ACTIVE	0	User CV3	1.00
	<b>SAT</b>		User CV4	1.00
	Tag Type	None	User CV5	1.00
	<b>TRICKS</b>		<b>MULTI-PHASE</b>	
	Pause On/Off	On	Slice per Location	154
Auto Subtract	0	Phase Acquisition Order	Interleaved	
Auto SCIC	Off	Delay after Acquisition	Minimum	
<b>OTHERS</b>		Seperate Series	0	
Protocol Notes	# slices = 45	Delay after Acquisition without AV	0.5	
		Mask Phase	0	
		Mask Pause	0	
		<b>DIFFUSION</b>		
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

go-no-go 2

nonconscious 2	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Gradient Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI, Asset
	Plane	OBLIQUE	PSD Name	cni_epi
	Series Description	nonconscious 2	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	22.2
	Flip Angle	77	Slice Thickness	3.0
	TE	27.5	Slice Spacing	0.0
	TR	2000.0	<b>ACQ TIMING</b>	
	Number of Shots	1	Freq	74
	<b>IMAGE ENHANCE</b>		Phase	74
	Filter Choice	None	Freq DIR	R/L
	<b>GATING/TRIGGER</b>		NEX	1.00
	Auto Trigger Type	Off	Phase FOV	1.00
	<b>FMRI</b>		Auto Shim	Auto
	PSD Trigger	Internal	Phase Correction	Yes
	Slice Order	Interleaved	<b>USER CVS</b>	
	View Order	Bottom/Up	User CV0	1.00
	# of Repetitions REST	0	User CV2	1.00
	# of Repetitions ACTIVE	0	User CV3	1.00
	<b>SAT</b>		User CV4	1.00
	Tag Type	None	User CV5	1.00
	<b>TRICKS</b>		<b>MULTI-PHASE</b>	
	Pause On/Off	On	Slice per Location	154
	Auto Subtract	0	Phase Acquisition Order	Interleaved
	Auto SCIC	Off	Delay after Acquisition	Minimum
	<b>OTHERS</b>		Seperate Series	0
Protocol Notes	# slices = 45	Delay after Acquisition without AV	0.5	
		Mask Phase	0	
		Mask Pause	0	
		<b>DIFFUSION</b>		
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

nonconscious 2

conscious 2	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Gradient Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	MPh, EPI, Asset
	Plane	OBLIQUE	PSD Name	cni_epi
	Series Description	conscious 2	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	22.2
	Flip Angle	77	Slice Thickness	3.0
	TE	27.5	Slice Spacing	0.0
	TR	2000.0	<b>ACQ TIMING</b>	
	Number of Shots	1	Freq	74
	<b>IMAGE ENHANCE</b>		Phase	74
	Filter Choice	None	Freq DIR	R/L
	<b>GATING/TRIGGER</b>		NEX	1.00
	Auto Trigger Type	Off	Phase FOV	1.00
	<b>FMRI</b>		Auto Shim	Auto
	PSD Trigger	Internal	Phase Correction	Yes
	Slice Order	Interleaved	<b>USER CVS</b>	
	View Order	Bottom/Up	User CV0	1.00
	# of Repetitions REST	0	User CV2	1.00
	# of Repetitions ACTIVE	0	User CV3	1.00
	<b>SAT</b>		User CV4	1.00
	Tag Type	None	User CV5	1.00
	<b>TRICKS</b>		<b>MULTI-PHASE</b>	
	Pause On/Off	On	Slice per Location	154
Auto Subtract	0	Phase Acquisition Order	Interleaved	
Auto SCIC	Off	Delay after Acquisition	Minimum	
<b>OTHERS</b>		Separate Series	0	
Protocol Notes	# slices = 45	Delay after Acquisition without AV	0.5	
		Mask Phase	0	
		Mask Pause	0	
		<b>DIFFUSION</b>		
		Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

conscious 2

HO Shim	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Gradient Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	None
	Plane	AXIAL	PSD Name	sprl_hos
	Series Description	HO Shim	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	24.0
	Flip Angle	60	Slice Thickness	5.8
	TE	7.0	Slice Spacing	0.0
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	1558.0	Freq	64
	<b>IMAGE ENHANCE</b>		Freq DIR	A/P
	Filter Choice	None	NEX	1.00
	<b>GATING/TRIGGER</b>		Auto Shim	Off
	Auto Trigger Type	Off	Phase Correction	No
	<b>FMRI</b>		<b>USER CVS</b>	
	PSD Trigger	Internal	User CV0	2.00
	Slice Order	Interleaved	User CV1	2.00
	View Order	Bottom/Up	User CV3	99.00
	# of Repetitions REST	0	User CV4	64.00
	# of Repetitions ACTIVE	0	User CV5	0.50
	<b>SAT</b>		<b>MULTI-PHASE</b>	
	Tag Type	None	Seperate Series	0
	<b>TRICKS</b>		Mask Phase	0
	Pause On/Off	On	Mask Pause	0
Auto Subtract	0	<b>DIFFUSION</b>		
Auto SCIC	Off	Recon All Images	On	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

HO Shim



DTI pe0 g81	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	EDR, EPI, DIFF
	Plane	AXIAL	PSD Name	muxarcepi2
	Series Description	DTI pe0 g81	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	21.0
	Flip Angle	77	Slice Thickness	1.5
	TE	Minimum	Slice Spacing	0.0
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	3200.0	Freq	140
	Number of Shots	1	Phase	140
	Receiver Bandwidth	125.00	Freq DIR	R/L
	<b>IMAGE ENHANCE</b>		Phase FOV	1.00
	Filter Choice	None	Auto Shim	Off
	<b>GATING/TRIGGER</b>		Phase Correction	Yes
	Auto Trigger Type	Off	<b>USER CVS</b>	
	<b>FMRI</b>		User CV2	1.00
	PSD Trigger	Internal	User CV3	1.00
	View Order	Bottom/Up	User CV4	0.50
	# of Repetitions REST	0	User CV5	1.00
	# of Repetitions ACTIVE	0	User CV11	4000.00
	<b>SAT</b>		User CV12	160.00
	Tag Type	None	User CV15	1.00
	<b>TRICKS</b>		User CV16	3.00
Pause On/Off	On	User CV22	4.00	
Auto Subtract	0	<b>MULTI-PHASE</b>		
Auto SCIC	Off	Seperate Series	0	
		Mask Phase	0	
		Mask Pause	0	
		<b>DIFFUSION</b>		
		Optimized TE	Yes	
		Diffusion Directions	Tensor	
		Number of Diffusion Directions	81	
		Number of T2 Images	8	
		Dual Spin Echo	Off	
		Diffusion Tenser Processing Output	No Selection	
		Recon All Images	Off	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

DTI pe0 g81

DTI pe0 g79

DTI pe0 g79

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	Nova 32ch-Brain
Plane	AXIAL
Series Description	DTI pe0 g79

SCAN TIMING	
Flip Angle	77
TE	Minimum
Number of Echoes	1
TR	3200.0
Number of Shots	1
Receiver Bandwidth	125.00

IMAGE ENHANCE	
Filter Choice	None

GATING/TRIGGER	
Auto Trigger Type	Off

FMRI	
PSD Trigger	Internal
View Order	Bottom/Up
# of Repetitions REST	0
# of Repetitions ACTIVE	0

SAT	
Tag Type	None

TRICKS	
Pause On/Off	On
Auto Subtract	0
Auto SCIC	Off

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Spin Echo
Imaging Options	EDR, EPI, DIFF
PSD Name	muxarcepi2

SCAN RANGE	
FOV	21.0
Slice Thickness	1.5
Slice Spacing	0.0

ACQ TIMING	
Freq	140
Phase	140
Freq DIR	R/L
Phase FOV	1.00
Auto Shim	Off
Phase Correction	Yes

USER CVS	
User CV2	1.00
User CV3	1.00
User CV4	0.50
User CV5	1.00
User CV11	4000.00
User CV12	160.00
User CV15	1.00
User CV16	3.00
User CV22	4.00

MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0

DIFFUSION	
Optimized TE	Yes
Diffusion Directions	Tensor
Number of Diffusion Directions	79
Number of T2 Images	8
Dual Spin Echo	Off
Diffusion Tenser Processing Output	No Selection
Recon All Images	Off

CONTRAST	
Contrast Yes/No	No

DTI pe1 g81	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	EDR, EPI, DIFF
	Plane	AXIAL	PSD Name	muxarcepi2
	Series Description	DTI pe1 g81	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	21.0
	Flip Angle	77	Slice Thickness	1.5
	TE	Minimum	Slice Spacing	0.0
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	3200.0	Freq	140
	Number of Shots	1	Phase	140
	Receiver Bandwidth	125.00	Freq DIR	R/L
	<b>IMAGE ENHANCE</b>		Phase FOV	1.00
	Filter Choice	None	Auto Shim	Off
	<b>GATING/TRIGGER</b>		Phase Correction	Yes
	Auto Trigger Type	Off	<b>USER CVS</b>	
	<b>FMRI</b>		User CV1	1.00
	PSD Trigger	Internal	User CV2	1.00
	View Order	Bottom/Up	User CV3	1.00
	# of Repetitions REST	0	User CV4	0.50
	# of Repetitions ACTIVE	0	User CV5	1.00
	<b>SAT</b>		User CV11	4000.00
	Tag Type	None	User CV12	160.00
	<b>TRICKS</b>		User CV15	1.00
Pause On/Off	On	User CV16	3.00	
Auto Subtract	0	User CV22	4.00	
Auto SCIC	Off	<b>MULTI-PHASE</b>		
		Seperate Series	0	
		Mask Phase	0	
		Mask Pause	0	
		<b>DIFFUSION</b>		
		Optimized TE	Yes	
		Diffusion Directions	Tensor	
		Number of Diffusion Directions	81	
		Number of T2 Images	8	
		Dual Spin Echo	Off	
		Diffusion Tenser Processing Output	No Selection	
		Recon All Images	Off	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

DTI pe1 g81

DTI pe1 g79

DTI pe1 g79

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	Nova 32ch-Brain
Plane	AXIAL
Series Description	DTI pe1 g79

SCAN TIMING	
Flip Angle	77
TE	Minimum
Number of Echoes	1
TR	3200.0
Number of Shots	1
Receiver Bandwidth	125.00

IMAGE ENHANCE	
Filter Choice	None

GATING/TRIGGER	
Auto Trigger Type	Off

FMRI	
PSD Trigger	Internal
View Order	Bottom/Up
# of Repetitions REST	0
# of Repetitions ACTIVE	0

SAT	
Tag Type	None

TRICKS	
Pause On/Off	On
Auto Subtract	0
Auto SCIC	Off

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Spin Echo
Imaging Options	EDR, EPI, DIFF
PSD Name	muxarcepi2

SCAN RANGE	
FOV	21.0
Slice Thickness	1.5
Slice Spacing	0.0

ACQ TIMING	
Freq	140
Phase	140
Freq DIR	R/L
Phase FOV	1.00
Auto Shim	Off
Phase Correction	Yes

USER CVS	
User CV1	1.00
User CV2	1.00
User CV3	1.00
User CV4	0.50
User CV5	1.00
User CV11	4000.00
User CV12	160.00
User CV15	1.00
User CV16	3.00
User CV22	4.00

MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0

DIFFUSION	
Optimized TE	Yes
Diffusion Directions	Tensor
Number of Diffusion Directions	79
Number of T2 Images	8
Dual Spin Echo	Off
Diffusion Tenser Processing Output	No Selection
Recon All Images	Off

CONTRAST	
Contrast Yes/No	No