Protocol: adult\_other\_IPCAS2017006\_LiHuijie\_20170907145342653\_1

Patient Fortivon		DATIFUT DOCUTION		20170907143042030_1		
Patient Position   Supine   Coil Configuration   -1		PATIENT POSITION	He ad Eigh	IMAGING PARAMETERS	<b>3D</b>	
Coil Configuration		•				
Plane   3-PLANE   7/2   12   12   13   14   15   15   16   15   16   16   16   16			•	•	•	
Series Description		•				
SCAN TIMING   TE				n/a	12	
TE		Series Description	ABI1_localizer1	SCAN RANGE		
TR		SCAN TIMING		FOV	30.0	
Receiver Bandwidth 83.33  IMAGE ENHANCE Filter Choice None  GATING/TRIGGER Heart Beat per Minute Mode Auto Trigger Type Off Auto Trigger Window Off  FMRI PSD Trigger Internal Silice Order Interleaved View Order Bottom/Up # of Repetitions REST 0 # of Repetitions REST 0 # of Repetitions ACTIVE 0  SAT Tag Type None TRICKS Pause On/Off On Auto Subtract 0 Auto Scitc Off  TRICKS Pause On/Off Off Auto Scitc Off  Auto Scitc Off  TICKS Pause On/Off On Auto Subtract 0 Auto Scitc Off  Discrete Location 1 0.0 Center Location 2 A15.0 Center Location 3 0.0 Center Location 2 A15.0 Center Location 2 A15.0 Center Location 3 0.0 Center Location 4 Control 2 A15.0 Center Locaticalon 4 Control 2 A15.0 Center Locaticalon 4 Control 2 A15.0 Center Locaticalon 4 Control 2 A15.0 Center Locatical 4 A15.0 Center Locaticalon 4 Control 2 A15.0 Center Locatical 2 A15.0 Center Locaticalon 4 Control 2 A15.0 Center Locatical 2 A15.0 Center Locaticalon 4 Control 2 A15.0 Center Locaticalon 4			Minimum	Slice Thickness	10.0	
IMAGE ENHANCE   Filter Choice   None		TR	Minimum	Slice Spacing	5.0	
Filter Choice None  GATING/TRIGGER Heart Beat per Minute Node Mode Auto Trigger Type Off Auto Trigger Window Off  FMRI PSD Trigger Internal Silice for 3 Plane Localization Silice for 3 Plane		Receiver Bandwidth	83.33	Center Location 1	0.0	
Silice for 3 Plane   Cocalization		IMAGE ENHANCE				
GATING/TRIGGER   Heart Beat per Minute   O   Slice for 3 Plane   Localization   Slic		Filter Choice	None			
Mode Auto Trigger Type Off Auto Trigger Window Off  FMRI PSD Trigger Internal Slice for 3 Plane Localization Space per Plane 1 Space per Plane 2 Space pe		GATING/TRIGGER			0	
Auto Trigger Window Off    FMRI			0		1	
FMRI PSD Trigger Internal Space per Plane 1 5.0 Slice Order Interleaved Space per Plane 2 5.0 View Order Bottom/Up Table Delta 0.00  # of Repetitions ACTIVE 0  SAT Tag Type None  TRICKS Pause On/Off On Auto Subtract 0 Auto SCIC  # of Acq. Before Pause 0 Phase FOV 1.00 Auto Shim Auto Phase Correction No  USER CVS User CV2 240.00 User CV3 1.00 User CV13 1.00 In-range AutoTR Control 0 User CV Mask 57414  MULTI-PHASE Seperate Series 0 Mask Pause 0  Mask Pause 0  DIFFUSION Recon All Images On CONTRAST					3	
Slice Order   Interleaved   Space per Plane 2   5.0   View Order   Bottom/Up   Table Delta   0.00   # of Repetitions REST   0   # of Repetitions ACTIVE   0    SAT					3	
View Order Bottom/Up # of Repetitions REST 0 ACQ TIMING # of Repetitions ACTIVE 0 Freq 256  SAT Tag Type None Freq DIR Unswap  TRICKS Pause On/Off On Auto Subtract 0 Auto SCIC Off  USER CVS User CV2 240.00 User CV13 1.00 In-range AutoTR Control 0 User CV Mask 57414  MULTI-PHASE Seperate Series 0 Mask Phase 0 Mask Phase 0 Mask Phase 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On CONTRAST		PSD Trigger	Internal	Space per Plane 1	5.0	
TRICKS Pause On/Off On Auto Subtract 0 Auto SCIC  Auto SCIC  Off  Auto SCIC  Off  Phase FOV 1.00  Auto Shim Auto Phase Correction No  USER CVS  User CV2 240.00 User CV13 1.00 In-range AutoTR Control 0 User CV Mask 57414  MULTI-PHASE Seperate Series 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On  CONTRAST	_	Slice Order	Interleaved	Space per Plane 2	5.0	_
TRICKS Pause On/Off On Auto Subtract 0 Auto SCIC  Auto SCIC  Off  Auto SCIC  Off  Phase FOV 1.00  Auto Shim Auto Phase Correction No  USER CVS  User CV2 240.00 User CV13 1.00 In-range AutoTR Control 0 User CV Mask 57414  MULTI-PHASE Seperate Series 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On  CONTRAST	zer	View Order	Bottom/Up	Table Delta	0.00	zer
TRICKS Pause On/Off On Auto Subtract 0 Auto SCIC  Auto SCIC  Off  Auto SCIC  Off  Phase FOV 1.00  Auto Shim Auto Phase Correction No  USER CVS  User CV2 240.00 User CV13 1.00 In-range AutoTR Control 0 User CV Mask 57414  MULTI-PHASE Seperate Series 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On  CONTRAST	Sali	•		ACQ TIMING		cali
TRICKS Pause On/Off On Auto Subtract 0 Auto SCIC  Auto SCIC  Off  Auto SCIC  Off  Phase FOV 1.00  Auto Shim Auto Phase Correction No  USER CVS  User CV2 240.00 User CV13 1.00 In-range AutoTR Control 0 User CV Mask 57414  MULTI-PHASE Seperate Series 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On  CONTRAST	<u>o</u>	# of Repetitions ACTIVE	0	Freq	256	_lo(
TRICKS Pause On/Off On Auto Subtract 0 Auto SCIC  Off  Auto SCIC  Off  Description of Acq. Before Pause 0 Phase FOV 1.00 Auto Shim Auto Phase Correction No  USER CVS User CV2 240.00 User CV13 1.00 In-range AutoTR Control 0 User CV Mask 57414  MULTI-PHASE Seperate Series 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On  CONTRAST	<u> </u>	SAT		Phase	128	ABI1_
Pause On/Off On Auto Subtract 0 Auto SCIC Off  Phase FOV 1.00 Auto Shim Auto Phase Correction No  USER CVS User CV2 240.00 User CV13 1.00 In-range AutoTR Control 0 User CV Mask 57414  MULTI-PHASE Seperate Series 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On	A	Tag Type	None	Freq DIR	Unswap	
Pause On/Off Auto Subtract O Auto SCIC  Off  Description  Auto Shim Auto Phase Correction No  USER CVS User CV2 User CV13 In-range AutoTR Control User CV Mask  MULTI-PHASE Seperate Series O Mask Phase O Mask Pause O  DIFFUSION Recon All Images On  CONTRAST		TRICKS		# of Acq. Before Pause	0	
Auto Subtract Auto SCIC  Off  Auto Scic  Off  Discription  Auto Shim Phase Correction No  USER CVS User CV2 User CV13 In-range AutoTR Control User CV Mask  MULTI-PHASE Seperate Series O Mask Phase O Mask Pause  O  DIFFUSION Recon All Images On  CONTRAST			On	Phase FOV	1.00	
Auto SCIC  Off  Phase Correction  USER CVS  User CV2  User CV13  In-range AutoTR Control  User CV Mask  MULTI-PHASE  Seperate Series  O  Mask Phase  O  DIFFUSION  Recon All Images  O  CONTRAST				Auto Shim	Auto	
User CV2 User CV13 1.00 In-range AutoTR Control User CV Mask 57414  MULTI-PHASE Seperate Series 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On		Auto SCIC	Off	Phase Correction	No	
User CV13 1.00 In-range AutoTR Control 0 User CV Mask 57414  MULTI-PHASE Seperate Series 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On				USER CVS		
In-range AutoTR Control 0 User CV Mask 57414  MULTI-PHASE Seperate Series 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On				User CV2	240.00	
User CV Mask 57414  MULTI-PHASE Seperate Series 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On				User CV13	1.00	
MULTI-PHASE Seperate Series 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On				In-range AutoTR Control	0	
Seperate Series 0 Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On  CONTRAST				User CV Mask	57414	
Mask Phase 0 Mask Pause 0  DIFFUSION Recon All Images On  CONTRAST				MULTI-PHASE		
Mask Pause 0  DIFFUSION Recon All Images On  CONTRAST				Seperate Series	0	
DIFFUSION Recon All Images On CONTRAST				Mask Phase	0	
Recon All Images On CONTRAST				Mask Pause	0	
CONTRAST				DIFFUSION		
				Recon All Images	On	
Contrast Yes/No No				CONTRAST		
				Contrast Yes/No	No	
Contrast Amount Yes				Contrast Amount	Yes	

Protocol: adult\_other\_IPCAS2017006\_LiHuijie\_20170907145342653\_1

	DATIENT DOCUTION		IMACING DADAMETERS		
	PATIENT POSITION	Hand Fire	IMAGING PARAMETERS	<b>3D</b>	
	Patient Entry	Head First	Imaging Mode	3D SPGR	
	Patient Position	Supine	Pulse Sequence		
	Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EDR, Fast, ZIP2, Calib	
	Plane	AXIAL	n/a	6	
	Series Description	ABI1_calibration	SCAN RANGE		
	SCAN TIMING	_	FOV	30.0	
	Number of Echoes	1	Slice Thickness	13.0	
		1	GRXOPT	0	
	IMAGE ENHANCE		Start Location 1	1216.1	
	Filter Choice	None	End Location 1	S186.9	
	GATING/TRIGGER		End Location 2	R2.9	
	Heart Beat per Minute Mode	0	End Location 3 Center of Location Start	A10.1 R2.9	
	Auto Trigger Type	Off	Center of Location Start  Center of Location End	H2.9 A10.1	
	Auto Trigger Type  Auto Trigger Window	Off	Scan Locations	32	
		- CII	Number of Slices	1	
	FMRI		Slice for 3 Plane	0	
	PSD Trigger	Internal	Localizaion	·	
	Slice Order	Interleaved	Slice for 3 Plane	0	
uo	View Order	Bottom/Up	Localization	0	on
rati	# of Repetitions REST	0 0	Slice for 3 Plane Localizaion	0	rati
ABI1_calibration	# of Repetitions ACTIVE SAT	U .	Slice for 3 Plane Localizaion	0	ABI1_calibration
\ ≅ 	Tag Type	None	Space per Plane 1	0.0	
AE	TRICKS		Space per Plane 2	0.0	AE
	Pause On/Off	On	Table Delta	0.00	
	Auto Subtract	0	ACQ TIMING		
	Auto SCIC	Off	Freq DIR	R/L	
			Auto Shim	Auto	
			Phase Correction	No	
			USER CVS		
			In-range AutoTR Control	0	
			User CV Mask	8388672	
			MULTI-PHASE		
			Seperate Series	0	
			Mask Phase	0	
			Mask Pause	0	
			DIFFUSION		
			Recon All Images	On	
			CONTRAST	A1-	
			Contrast Yes/No	No	
			Contrast Amount	Yes	

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		ei_ii CA32017000_Lii lulji			
	PATIENT POSITION		IMAGING PARAMETERS		
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	Gradient Echo	
	Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EPI, FMRI	
	Plane	OBLIQUE	n/a	9	
	Series Description	ABI1_bold_bw_rest	SCAN RANGE		
	SCAN TIMING		FOV	22.4	
	Flip Angle	90	Slice Thickness	<i>3.5</i>	
	TE	30.0	Slice Spacing	0.7	
	TR	2000.0	Start Location 1	R4.4	
	Number of Shots	1	Start Location 2	A13.0	
		,	Start Location 3	154.5	
	IMAGE ENHANCE		End Location 1	R3.4	
	Filter Choice	None	End Location 2	A13.1	
	GATING/TRIGGER		End Location 3	S79.9	
	Heart Beat per Minute	0	Number of Slices	33	
	Mode	0"	Slice for 3 Plane Localizaion	0	
	Auto Trigger Type	Off	Slice for 3 Plane	0	
	Auto Trigger Window	Off	Localizaion	•	
	FMRI		Slice for 3 Plane	0	
	<b>Brain Wave Real Time</b>	2	Localizaion Slice for 3 Plane	0	
	Paradigm String	REST	Localizaion	U	
St	Paradigm UID	1.2.840.113819.3.14709520 2699.1399372018333395.65	Space per Plane 1	0.0	St
<u>_</u> _	Initial State	Control	Space per Plane 2	0.0	<u>e</u>
pwd.	PSD Trigger	Internal	Table Delta	0.00	wq
ABI1_bold_bw_rest	Slice Order	Interleaved	ACQ TIMING		밀
oq_	View Order	Bottom/Up	Freq	64	ABI1_bold_bw_rest
31	# of Repetitions REST	15	Phase	64	
ΑE	# of Repetitions ACTIVE	15	Freq DIR	R/L	
	# of Dummy Acquisition	0	NEX	1.00	
			Phase FOV	1.00	
	SAT	Maria	Auto Shim	Auto	
	Tag Type	None	Phase Correction	Yes	
	Fat/Water Saturation	Fat	USER CVS		
	TRICKS		User CV0	1.00	
	Pause On/Off	On	User CV Mask	17	
	Auto Subtract	0			
	Auto SCIC	Off	MULTI-PHASE		
	OTHERS		Slice per Location	240	
	BrainWave for Ř	BOLD fMRI imaging with	Delay after Acquisition	0	
		BrainWave for Resting state, 240 scans.	Seperate Series	0	
		state, 240 scans.	Delay after Acquisition without AV	0	
			Mask Phase	0	
			Mask Pause	0	
			DIFFUSION		
			Recon All Images	On	
			CONTRAST	A.I.	
			Contrast Yes/No	No	
			Contrast Amount	Yes	

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	PATIENT POSITION		IMAGING PARAMETERS		
	Patient Entry	Head First	Imaging Mode	3D	
	Patient Position	Supine	Pulse Sequence	SPGR	
	Coil Configuration	HD 8Ch High Res Brain	Imaging Options	EDR, Fast, IrP, Asset	
	DI	Array by Invivo	n/a	6	
	Plane	SAGITTAL	SCAN RANGE		
	Series Description	ABI1_t1iso_fspgr	FOV	25.6	
	SCAN TIMING		Slice Thickness	1.0	
	Flip Angle	12	Location per Slab	192	
	TE	Min Full	Overlap Locations	0	
	Number of Echoes	1	GRXOPT	0	
	TI	450	Start Location 1	L93.2	
	Receiver Bandwidth	31.25	End Location 1	R97.8	
	IMAGE ENHANCE		End Location 2	A12.7	
	Filter Choice	None	End Location 3	<i>13.5</i>	
	GATING/TRIGGER		Center of Location Start	A12.7	
	Heart Beat per Minute	0	Center of Location End	13.5	
	Mode	U	Number of Slices	1	
	Auto Trigger Type	Off	Slice for 3 Plane Localizaion	0	
	Auto Trigger Window FMRI	Off	Slice for 3 Plane Localization	0	
	Initial State	Control	Slice for 3 Plane Localization	0	
pgr	PSD Trigger Slice Order	Internal Interleaved	Slice for 3 Plane Localizaion	0	pgr
L L	View Order	Bottom/Up	Space per Plane 1	0.0	<u> </u>
iso	# of Repetitions REST	0	Space per Plane 2	0.0	iso
득	# of Repetitions ACTIVE	0	Table Delta	0.00	Ξ
ABI1_t1iso_fspgr	SAT		ACQ TIMING		ABI1_t1iso_fspgn
	Tag Type	None	Freq	256	
	TRICKS		Phase	256	
	Pause On/Off	On	Freq DIR	S/I	
	Auto Subtract	0	NEX	1.00	
	Auto SCIC	2	Phase FOV	1.00	
	OTHERS		Auto Shim	Auto	
	Protocol Notes	T1 weighted 3D structure	Phase Correction	No	
		imaging.	USER CVS		
		Scan Plane: Sagittal Excitation Mode: Non-	User CV6	2.00	
		selective	User CV23	100.00	
			In-range AutoTR Control	0	
			User CV Mask	8388688	
			MULTI-PHASE		
			Seperate Series	0	
			Mask Phase	0	
			Mask Pause	0	
			DIFFUSION		
			Recon All Images	On	
			CONTRAST		
			Contrast Yes/No	No	
			Contrast Amount	Yes	
			· · · · · · · · · · · · · · · · · · ·		

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	IMAGING PARAMETERS		
Falletti Ettil V Tieau Tiisi	Imaging Mode	3D	
	Pulse Sequence	Cube T2	
· · · · · · · · · · · · · · · · · · ·	Imaging Options	EDR, Fast, FR, ARC	
Array by Invivo	n/a	53	
Plane OBLIQUE			
Series Description ABIT_tziso_cube	SCAN RANGE	05.0	
CCAN TIMING	FOV Slice Thickness	25.6	
TE		1.0 196	
TD 2200 0	Location per Slab	196 0	
Eaha Train Langth 220	Overlap Locations Start Location 1	899.4	
Paceiver Bandwidth 83 33	Start Location 2	A13.0	
	Start Location 3	I16.6	
	End Location 1	L91.6	
	End Location 2	A13.0	
GATING/TRIGGER	End Location 3	I16.6	
Auto Irigger Type Off	Number of Slices	1	
	Slice for 3 Plane Localizaion	0	
PSD Trigger Internal	Slice for 3 Plane	0	
Slice Order Interleaved	Localizaion		
	Slice for 3 Plane Localizaion	0	
# of Repetitions REST 0	Slice for 3 Plane	0	pe
# of Repetitions ACTIVE 0	Localizaion		ಕ್ರ
SAT	Space per Plane 1	0.0	iso
Tag Type None	Space per Plane 2	0.0	12
# of Repetitions REST 0 # of Repetitions ACTIVE 0  SAT Tag Type None  TRICKS	Table Delta	0.00	ABI1_t2iso_cube
Pause On/Off On	ACQ TIMING		٩
Auto Subtract 0	Freq	256	
Auto SCIC 2	Phase	256	
OTHERS	Freq DIR	S/I	
Drotogal Notas	NEX	2.00	
	Phase FOV	1.00	
imaging.			
imaging. Scan Plane: Oblique	Auto Shim	Auto	
imaging. Scan Plane: Oblique	Auto Shim Phase Correction	Auto No	
imaging. Scan Plane: Oblique Excitation Mode: Non- selective	Phase Correction USER CVS		
imaging. Scan Plane: Oblique Excitation Mode: Non- selective	Phase Correction USER CVS In-range AutoTR Control	No 0	
imaging. Scan Plane: Oblique Excitation Mode: Non- selective	Phase Correction USER CVS	No	
imaging. Scan Plane: Oblique Excitation Mode: Non- selective	Phase Correction USER CVS In-range AutoTR Control	No 0	
imaging. Scan Plane: Oblique Excitation Mode: Non- selective	Phase Correction USER CVS In-range AutoTR Control User CV Mask	No 0	
imaging. Scan Plane: Oblique Excitation Mode: Non- selective	Phase Correction USER CVS In-range AutoTR Control User CV Mask MULTI-PHASE	No 0 4194304	
imaging. Scan Plane: Oblique Excitation Mode: Non- selective	Phase Correction  USER CVS  In-range AutoTR Control  User CV Mask  MULTI-PHASE  Seperate Series	No 0 4194304 0	
imaging. Scan Plane: Oblique Excitation Mode: Non- selective	Phase Correction  USER CVS  In-range AutoTR Control  User CV Mask  MULTI-PHASE  Seperate Series  Mask Phase	No 0 4194304 0 0	
imaging. Scan Plane: Oblique Excitation Mode: Non- selective	Phase Correction  USER CVS  In-range AutoTR Control  User CV Mask  MULTI-PHASE  Seperate Series  Mask Phase  Mask Pause	No 0 4194304 0 0	
imaging. Scan Plane: Oblique Excitation Mode: Non- selective	Phase Correction USER CVS In-range AutoTR Control User CV Mask MULTI-PHASE Seperate Series Mask Phase Mask Pause DIFFUSION	No 0 4194304 0 0 0 0	
imaging. Scan Plane: Oblique Excitation Mode: Non- selective	Phase Correction  USER CVS  In-range AutoTR Control  User CV Mask  MULTI-PHASE  Seperate Series  Mask Phase  Mask Pause  DIFFUSION  Recon All Images	No 0 4194304 0 0 0 0	