		<u> </u>	
	PATIENT POSITION		IMAGING PARAMETERS
	Patient Entry	Head First	Imaging Mode 2D
	Patient Position	Supine	Pulse Sequence Gradient Echo
	Coil Configuration	32 Ch Head Coil,HD 8Ch High Res Brain Array by	Imaging Options Seq, Fast
		Invivo	IMAGE ENHANCE
	Plane	3-PLANE	Filter Choice None
	Series Description	3 Plane Localizer	GATING/TRIGGER
	SCAN RANGE		Auto Trigger Type Off
	FOV	26.0	MULTI-PHASE
	Slice Thickness	5.0	Seperate Series 0
	Slice Spacing	0.0	Mask Phase 0
	ACQ TIMING		Mask Pause 0
	Freq	256	DIFFUSION
zer	Phase	128	
Plane Localizer	Freq DIR	Unswap	Recon All Images On CONTRAST Contrast Yes/No No
Po	NEX	1.00	Contrast Yes/No No
Je	Phase FOV	1.00	Contrast res/No //o
Pal	Auto Shim	Auto	<u>D</u>
က	Phase Correction	No	<u></u>
	FMRI		
	PSD Trigger	Internal	
	Slice Order	Interleaved	
	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	

	PATIENT POSITION		IMAC	GING PARAMETERS		
	Patient Entry	Head First	Imag	jing Mode	3D	
	Patient Position	Supine	Puls	e Sequence	SPGR	
	Coil Configuration	32 Ch Head Coil;HD 8Ch	Imag	jing Options	Fast, Calib, ZIP2, EDR	
		High Res Brain Array by Invivo	IMAC	GE ENHANCE		
	Plane	AXIAL	Filter	r Choice	None	
	Series Description	Calibration Scan	GAT	ING/TRIGGER		
	SCAN RANGE		Auto	Trigger Type	Off	
	FOV	30.0	MUL	TI-PHASE		
	Slice Thickness	9.4		erate Series	0	
	Overlap Locations	0	•	k Phase	0	
	ACQ TIMING			k Pause	0	
	Freq DIR	R/L		USION		an
	Auto Shim	Auto			On	
an	Phase Correction	No	Recc	on All Images	On	
Calibration Scan	FMRI			TRAST		Calibration Scan
ioi	PSD Trigger	Internal	Cont	trast Yes/No	No	ion
oraí	Slice Order	Interleaved				oraí
aik	View Order	Bottom/Up				aiik
0	# of Repetitions REST	0				0
	# of Repetitions ACTIVE	0				
	SAT					
	Tag Type	None				
	TRICKS					
	Pause On/Off	On				
	Auto Subtract	0				
	Auto SCIC	Off				
	OTHERS					
	Protocol Notes	Please do not oblique. Please do not reduce the number of slices. Please do not adjust protocol values.				

	PATIENT POSITION			IMAGING PARAMETERS		
	Patient Entry	Head First		Imaging Mode	3D	
	Patient Position	Supine		Pulse Sequence	SPGR	
	Coil Configuration	32 Ch Head Coil;HD 8Ch High Res Brain Array by Invivo		Imaging Options	EDR, Fast, IrP, Asset	
				SCAN RANGE		
	Plane	SAGITTAL		FOV	25.6	
	Series Description	Accelerated Sag IR-FSPGR	Slic	Slice Thickness	1.0	
	SCAN TIMING			Location per Slab	200	
	Flip Angle	11		Overlap Locations	0	
	TE	Min Full		ACQ TIMING		
	TI	400		Freq	256	
	Receiver Bandwidth	31.25		Phase	256	
	IMAGE ENHANCE			Freq DIR	S/I	GR
04	Filter Choice	None		NEX	1.00	
GR		7.00		Phase FOV	1.00	
SP	GATING/TRIGGER	0.5		Auto Shim	On	SP
Т -	Auto Trigger Type	Off		Phase Correction	No	꾸
Sag IR-FSPGR	FMRI			USER CVS		ag I
	PSD Trigger	Internal		User CV6	1.00	Accelerated Sag IR-FSPGR
Accelerated	Slice Order	Interleaved		User CV23	100.00	
era	View Order	Bottom/Up		MULTI-PHASE		era
Se	# of Repetitions REST	0		Seperate Series	0	le Ge
Ac	# of Repetitions ACTIVE	0		Mask Phase	0	Ac
	SAT			Mask Pause	0	
	Tag Type	None		DIFFUSION		
	TRICKS			Recon All Images	On	
	Pause On/Off	On			OH .	
	Auto Subtract	0		CONTRAST		
	Auto SCIC	2		Contrast Yes/No	No	
	OTHERS					
	Protocol Notes	Please do not oblique. Please do not reduce the number of slices. Please do not adjust protocol values.				

	PATIENT POSITION			IMAGING PARAMETERS	5	
	Patient Entry	Head First		Imaging Mode	3D	
	Patient Position	Supine		Pulse Sequence	Cube T2 FLAIR	
	Coil Configuration	32 Ch Head Coil;HD 8Ch		Imaging Options	EDR, Fast, IrP, ARC	
		High Res Brain Array by Invivo	ain Array by	SCAN RANGE		
	Plane	SAGITTAL		FOV	25.6	
	Series Description	Sagittal 3D FLAIR		Slice Thickness	1.2	
	SCAN TIMING			Location per Slab	186	
	TE	119.0		Overlap Locations	0	
	TR	4800.0		ACQ TIMING		
	TI	1451		Freq	256	
	Echo Train Length	182		Phase	256	
	Receiver Bandwidth	31.25		Freq DIR	S/I	
	IMAGE ENHANCE			NEX	1.00	
	Filter Choice	None		Phase FOV	1.00	
or	GATING/TRIGGER			Auto Shim	Auto	~
FLAIR	Auto Trigger Type	Off		Phase Correction	No	Ā
		OII		USER CVS		Sagittal 3D FLAIR
Sagittal 3D	FMRI	la ta una a l		User CV5	1.00	35
ittal	PSD Trigger Slice Order	Internal Interleaved		MULTI-PHASE		III a
Sag	View Order	Bottom/Up		Seperate Series	0	Sag
U	# of Repetitions REST	0		Mask Phase	0	0)
	# of Repetitions ACTIVE	0		Mask Pause	0	
	SAT			DIFFUSION		
	Tag Type	None		Recon All Images	On	
	Fat/Water Saturation	Fat		CONTRAST		
	TRICKS			Contrast Yes/No	No	
	Pause On/Off	On				
	Auto Subtract	0				
	Auto SCIC	2				
	OTHERS					
	Protocol Notes	Please do not oblique. Please do not reduce the number of slices. Please do not adjust protocol values.				

Protocol: adult_other_ADNI3_Study_Human_GE_3T_25w_20170202_20170202223157315_1

	PATIENT POSITION			IMAGING PARAMETERS		
	Patient Entry	Head First		Imaging Mode	2D	
	Patient Position	Supine		Pulse Sequence	Gradient Echo	
	Coil Configuration	32 Ch Head Coil;HD 8Ch		Imaging Options	FC, EDR	
		High Res Brain Array by Invivo		SCAN RANGE		
	Plane	AXIAL		FOV	20.0	
	Series Description	Axial T2 Star		Slice Thickness	4.0	
	SCAN TIMING			Slice Spacing	0.0	
	Flip Angle	20		ACQ TIMING		
	TE	20.0		Freq	256	
	Number of Echoes	1		Phase	192	
	TR	650.0		Freq DIR	A/P	
	Receiver Bandwidth	25.00		NEX	1.00	
	IMAGE ENHANCE			# of Acq. Before Pause	0	
	Filter Choice	None		Phase FOV	1.00	
ฮ	GATING/TRIGGER			Auto Shim	Auto	Axial T2 Star
Star	Auto Trigger Type	Off		Phase Correction	No	
Axial T2		Oli	ı	FMRI		T2
×ia	MULTI-PHASE	_		PSD Trigger	Internal	Axia
A	Seperate Series	0		Slice Order	Interleaved	
	Mask Phase	0		View Order	Bottom/Up	
	Mask Pause	0		# of Repetitions REST	0	
	DIFFUSION			# of Repetitions ACTIVE	0	
	Recon All Images	On		SAT		
	CONTRAST			Tag Type	None	
	Contrast Yes/No	No		TRICKS		
				Pause On/Off	On	
				Auto Subtract	0	
				Auto SCIC	2	
				OTHERS		
				Protocol Notes	Please do not oblique. Please do not reduce the number of slices. Please do not adjust protocol values.	

Protocol: adult_other_ADNI3_Study_Human_GE_3T_25w_20170202_20170202223157315_1

PATIENT POSITION IMAGING PARAMETERS	
Patient Entry Head First Imaging Mode	2D
Patient Position Supine Pulse Sequence	Spin Echo
Coil Configuration 32 Ch Head Coil;HD 8Ch Imaging Options	EPI, DIFF, Asset
High Res Brain Array by Invivo SCAN RANGE	
Plane AXIAL FOV	23.2
Series Description Axial DTI Slice Thickness	2.0
SCAN TIMING Slice Spacing	0.0
TE Minimum ACQ TIMING	
TR 15379.0 Freq	116
Number of Shots 1 Phase	116
IMAGE ENHANCE Freq DIR	R/L
	1.00
Auto Shim	Auto
	Yes
Auto Trigger Type Off USER CVS	
FMRI User CV5	1.00
	1.00 1.00 2000.0
Slice Order Interleaved TR Min	2000.0
TR Max	17000.0
# of Repetitions REST 0 # of Repetitions ACTIVE 0 MULTI-PHASE	
Seperate Series	0
	0
	0
Fat/Water Saturation Fat DIFFUSION	
	Yes
	Tensor
Auto Subtract 0 Number of Diffusion Auto SCIC Off Directions	32
Number of T2 Images	4
Dual Spin Echo	Off
Diffusion Tenser Processing Output	No Selection
Recon All Images	Off
CONTRAST	
Contrast Yes/No	No

Protocol: adult_other_ADNI3_Study_Human_GE_3T_25w_20170202_20170202223157315_1

				_	
	PATIENT POSITION		IMAGING PARAMETERS		
	Patient Entry	Head First	Imaging Mode	3D	
	Patient Position	Supine	Pulse Sequence	3DASL	
	Coil Configuration	32 Ch Head Coil;HD 8Ch	Imaging Options	EDR, Fast, Spiral	
		High Res Brain Array by Invivo	SCAN RANGE		
	Plane	AXIAL	FOV	24.0	
	Series Description	Axial 3D pCASL (Eyes Open)	Slice Thickness	4.0	
		Open)	ACQ TIMING		
	SCAN TIMING		Freq	512	
	Receiver Bandwidth	62.50	Phase	8	Axial 3D pCASL (Eyes Open)
Open)	IMAGE ENHANCE		Freq DIR	R/L	
Ō	Filter Choice	None	NEX	3.00	
yes	GATING/TRIGGER		Auto Shim	Auto	
pCASL (Eyes	Auto Trigger Type	Off	Phase Correction	No	
ASI	MULTI-PHASE		FMRI		ASI
S	Seperate Series	0	PSD Trigger	Internal	S
	Delay after Acquisition	0	Slice Order	Interleaved	30
Axial 3D	without AV		View Order	Bottom/Up	a
Α×	Mask Phase	0	# of Repetitions REST	0	Ä
	Mask Pause	0	# of Repetitions ACTIVE	0	
	DIFFUSION		SAT		
	Recon All Images	On	Tag Type No.	None	
	CONTRAST		TRICKS		
	Contrast Yes/No	No	Pause On/Off	On	
			Auto Subtract	0	
			Auto SCIC	Off	

	PATIENT POSITION	•	IMAGING PARAMETERS		
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position		Pulse Sequence	Gradient Echo	
		Supine 32 Ch Head Coil;HD 8Ch	Imaging Options	MPh, EPI, Asset	
	Coil Configuration	High Res Brain Array by		WFII, EFI, ASSEL	
		Invivo	SCAN RANGE		
	Plane	AXIAL	FOV	22.0	
	Series Description	Axial fcMRI (Eyes Open)	Slice Thickness	3.4	
	SCAN TIMING		Slice Spacing	0.0	
	Flip Angle	90	ACQ TIMING		
	TE	30.0	Freq	64	
	TR	3000.0	Phase	64	
	Number of Shots	1	Freq DIR	R/L	
	IMAGE ENHANCE		NEX	1.00	
	Filter Choice	None	Phase FOV	1.00	
	GATING/TRIGGER		Auto Shim	Off	
	Auto Trigger Type	Off	Phase Correction	Yes	
		On .	USER CVS		
	FMRI Initial State	Control	User CV0	1.00	
Open)	PSD Trigger	Internal	MULTI-PHASE		ber
Ō	Slice Order	Internal	Slice per Location	200	Ō
yes	View Order	Bottom/Up	Phase Acquisition Order	Interleaved	yes
(E	# of Repetitions REST	<i>Вошопі/Ор</i> 0	Delay after Acquisition	Minimum	Axial fcMRI (Eyes Open)
/RI	# of Repetitions ACTIVE	0	Seperate Series	0	
Axial fcMRI (Eyes		U .	Delay after Acquisition	2	fc
xial	SAT	Maria	without AV		xial
A	Tag Type Fat/Water Saturation	None Fat	Mask Phase Mask Pause	0	A
		<i>г</i> аі		U	
	TRICKS		DIFFUSION		
	Pause On/Off	On	Recon All Images	On	
	Auto Subtract	0	CONTRAST		
	Auto SCIC	Off	Contrast Yes/No	No	
	OTHERS				
	Protocol Notes	*Instruct patient to keep eyes open during this scan and to focus on 1 spot. This is critical to the results! Cover brain in one acq, ensure slab is positioned from inferior to superior. Must have 48 slices, please do not subtract or add any			
		slices. Do not oblique slices. (Do not change series descritpion)			

	PATIENT POSITION		IMAGING PARAMETERS		
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	FSE-XL	
	Coil Configuration	32 Ch Head Coil;HD 8Ch	Imaging Options	Fast, Asset	
		High Res Brain Array by Invivo	SCAN RANGE		
	Plane	OBLIQUE	FOV	17.5	
	Series Description	HighResHippo	Slice Thickness	2.0	
	SCAN TIMING		Slice Spacing	Intleave	
	Flip Angle	122	ACQ TIMING		
	TE	50.0	Freq	448	
	Number of Echoes	1	Phase	448	
	TR	8020.0	Freq DIR	Unswap	
	Echo Train Length	15	Fat Shift DIR	Normal	
	Receiver Bandwidth	20.83	NEX	1.00	
	IMAGE ENHANCE		# of Acq. Before Pause	0	
	Filter Choice	None	Phase FOV	1.00	
C	GATING/TRIGGER		Auto Shim	Auto	0
ddi	Auto Trigger Type	Off	Phase Correction	Yes	dd
HighResHippo		On .	USER CVS		HighResHippo
Re	FMRI		User CV22	1.00	Re
ligh.	PSD Trigger	Internal	MULTI-PHASE		1jg
_	Slice Order	Interleaved	Seperate Series	0	
	View Order # of Repetitions REST	Bottom/Up 0	Mask Phase	0	
	# of Repetitions ACTIVE	0	Mask Pause	0	
	SAT	0	DIFFUSION		
	Tag Type	None	Recon All Images	On	
	TRICKS	TVOTIC	CONTRAST		
	Pause On/Off	On	Contrast Yes/No	No	
	Auto Subtract	0			
	Auto SCIC	2			
	OTHERS	-			
	Protocol Notes	This scan should be set up obliquely so that is a perpendicular to the hippocampal tail, covering from the front to back. Please refer to the ADNI3 MRI manual with questions.			