

Protocol: adult_other_STRATIFYA170221_20170221201450334_1

3Plane Loc SSFSE	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	Seq, EDR, Fast, SS, ARC
	Plane	3-PLANE	SCAN RANGE	
	Series Description	3Plane Loc SSFSE	FOV	24.0
	SCAN TIMING		Slice Thickness	8.0
	TE	80.0	Slice Spacing	0.0
	TR	Minimum	ACQ TIMING	
	Receiver Bandwidth	83.33	Freq	384
	IMAGE ENHANCE		Phase	160
	Filter Choice	None	Freq DIR	Unswap
	GATING/TRIGGER		# of Acq. Before Pause	0
	Auto Trigger Type	Off	Phase FOV	1.00
	FMRI		Auto Shim	Auto
	PSD Trigger	Internal	Phase Correction	No
	Slice Order	Interleaved	USER CVS	
	View Order	Bottom/Up	User CV1	1.00
	# of Repetitions REST	0	User CV2	240.00
	# of Repetitions ACTIVE	0	User CV13	1.00
	SAT		MULTI-PHASE	
	Tag Type	None	Seperate Series	0
	TRICKS		Mask Phase	0
	Pause On/Off	On	Mask Pause	0
	Auto Subtract	0	DIFFUSION	
	Auto SCIC	Off	Recon All Images	On
			CONTRAST	
			Contrast Yes/No	No

3Plane Loc SSFSE

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ASSET calibration	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, ZIP2, Calib
	Plane	AXIAL	SCAN RANGE	
	Series Description	ASSET calibration	FOV	30.0
	SCAN TIMING		Slice Thickness	9.4
	Number of Echoes	1	ACQ TIMING	
	IMAGE ENHANCE		Freq DIR	R/L
	Filter Choice	None	Auto Shim	Auto
	GATING/TRIGGER		Phase Correction	No
	Auto Trigger Type	Off	FMRI	
	MULTI-PHASE		PSD Trigger	Internal
	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	Off

ASSET calibration

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ADNI MPRAGE	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, IrP
	Plane	SAGITTAL	SCAN RANGE	
	Series Description	ADNI MPRAGE	FOV	27.0
	SCAN TIMING		Slice Thickness	1.2
	Flip Angle	11	Location per Slab	200
	TE	Min Full	Overlap Locations	0
	Number of Echoes	1	ACQ TIMING	
	TI	400	Freq	256
	Receiver Bandwidth	31.25	Phase	256
	IMAGE ENHANCE		Freq DIR	S/I
	Filter Choice	None	NEX	1.00
	GATING/TRIGGER		Phase FOV	1.00
	Auto Trigger Type	Off	Auto Shim	Auto
	FMRI		Phase Correction	No
	PSD Trigger	Internal	USER CVS	
	Slice Order	Interleaved	User CV6	1.00
	View Order	Bottom/Up	User CV23	100.00
	# of Repetitions REST	0	MULTI-PHASE	
	# of Repetitions ACTIVE	0	Seperate Series	0
SAT			Mask Phase	0
Tag Type		None	Mask Pause	0
TRICKS			DIFFUSION	
Pause On/Off		On	Recon All Images	On
Auto Subtract		0	CONTRAST	
Auto SCIC		Off	Contrast Yes/No	No

ADNI MPRAGE

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T2	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FRFSE-XL
	Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	FC, EDR, TRF, Fast, ZIP512, Asset, FR
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	T2	FOV	24.0
	SCAN TIMING		Slice Thickness	4.0
	Flip Angle	111	Slice Spacing	0.0
	TE	60.0	ACQ TIMING	
	Number of Echoes	1	Freq	320
	TR	4380.0	Phase	256
	Echo Train Length	19	Freq DIR	A/P
	Receiver Bandwidth	25.00	Fat Shift DIR	Normal (A)
	IMAGE ENHANCE		NEX	1.00
	Filter Choice	None	# of Acq. Before Pause	0
	GATING/TRIGGER		Phase FOV	0.75
	Auto Trigger Type	Off	Auto Shim	Auto
	FMRI		Phase Correction	Yes
	PSD Trigger	Internal	Flow Direction Compensation	Slice
	Slice Order	Interleaved	USER CVS	
	View Order	Bottom/Up	User CV22	1.00
	# of Repetitions REST	0	MULTI-PHASE	
	# of Repetitions ACTIVE	0	Seperate Series	0
	SAT		Mask Phase	0
	Tag Type	None	Mask Pause	0
	TRICKS		DIFFUSION	
	Pause On/Off	On	Recon All Images	On
	Auto Subtract	0	CONTRAST	
	Auto SCIC	On	Contrast Yes/No	No

T2

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FLAIR

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	HD 8Ch High Res Brain Array by Invivo
Plane	OBLIQUE
Series Description	FLAIR
SCAN TIMING	
Flip Angle	111
TE	120.0
Number of Echoes	1
TR	8000.0
TI	2000
Receiver Bandwidth	25.00
IMAGE ENHANCE	
Filter Choice	None
GATING/TRIGGER	
Auto Trigger Type	Off
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	On

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	T2flair
Imaging Options	FC, EDR, TRF, Fast, ZIP512
SCAN RANGE	
FOV	24.0
Slice Thickness	4.0
Slice Spacing	0.0
ACQ TIMING	
Freq	256
Phase	128
Freq DIR	A/P
Fat Shift DIR	Normal (A)
NEX	1.00
Auto Shim	Auto
Phase Correction	No
Flow Direction Compensation	Slice
USER CVS	
User CV3	2.00
User CV22	1.00
MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
DIFFUSION	
Recon All Images	On
CONTRAST	
Contrast Yes/No	No

FLAIR

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EPI MID

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	HD 8Ch High Res Brain Array by Invivo
Plane	OBLIQUE
Series Description	EPI MID
SCAN TIMING	
Flip Angle	75
TE	30.0
Number of Echoes	1
TR	2200.0
Number of Shots	1
IMAGE ENHANCE	
Filter Choice	None
GATING/TRIGGER	
Auto Trigger Type	Off
FMRI	
Brain Wave Real Time	2
Paradigm String	IMAGEN - MID
Paradigm UID	1.2.840.113819.3.16913055 6689.1475863885259312.44 8
Initial State	Control
PSD Trigger	Internal
Slice Order	Sequential
View Order	Top/Down
# of Repetitions REST	1
# of Repetitions ACTIVE	1
# of Dummy Acquisition	3
SAT	
Tag Type	None
Fat/Water Saturation	Fat
TRICKS	
Pause On/Off	On
Auto Subtract	0
Auto SCIC	Off
OTHERS	
Protocol Notes	PLEASE PRESCRIBE TOP DOWN !!!!!

EPI MID

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Gradient Echo
Imaging Options	EPI, Asset, FMRI
SCAN RANGE	
FOV	21.8
Slice Thickness	2.4
Slice Spacing	1.0
ACQ TIMING	
Freq	64
Phase	64
Freq DIR	R/L
NEX	1.00
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	Yes
USER CVS	
User CV0	1.00
MULTI-PHASE	
Slice per Location	191
Seperate Series	0
Delay after Acquisition without AV	0
Mask Phase	0
Mask Pause	0
DIFFUSION	
Recon All Images	On
CONTRAST	
Contrast Yes/No	No

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EPI faces

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	HD 8Ch High Res Brain Array by Invivo
Plane	OBLIQUE
Series Description	EPI faces
SCAN TIMING	
Flip Angle	75
TE	30.0
Number of Echoes	1
TR	2200.0
Number of Shots	1
IMAGE ENHANCE	
Filter Choice	None
GATING/TRIGGER	
Auto Trigger Type	Off
FMRI	
Brain Wave Real Time	2
Paradigm String	IMAGEN - faces
Paradigm UID	1.2.840.113819.3.169130556689.1475864036004246.466
Initial State	Control
PSD Trigger	Internal
Slice Order	Sequential
View Order	Top/Down
# of Repetitions REST	1
# of Repetitions ACTIVE	1
# of Dummy Acquisition	3
SAT	
Tag Type	None
Fat/Water Saturation	Fat
TRICKS	
Pause On/Off	On
Auto Subtract	0
Auto SCIC	Off
OTHERS	
Protocol Notes	PLEASE PRESCRIBE TOP DOWN !!!!!

EPI faces

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Gradient Echo
Imaging Options	EPI, Asset, FMRI
SCAN RANGE	
FOV	21.8
Slice Thickness	2.4
Slice Spacing	1.0
ACQ TIMING	
Freq	64
Phase	64
Freq DIR	R/L
NEX	1.00
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	Yes
USER CVS	
User CV0	1.00
MULTI-PHASE	
Slice per Location	197
Seperate Series	0
Delay after Acquisition without AV	0
Mask Phase	0
Mask Pause	0
DIFFUSION	
Recon All Images	On
CONTRAST	
Contrast Yes/No	No

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EPI stop signal

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	HD 8Ch High Res Brain Array by Invivo
Plane	OBLIQUE
Series Description	EPI stop signal
SCAN TIMING	
Flip Angle	75
TE	30.0
TR	2200.0
Number of Shots	1
IMAGE ENHANCE	
Filter Choice	None
GATING/TRIGGER	
Auto Trigger Type	Off
FMRI	
Brain Wave Real Time	2
Paradigm String	IMAGEN - STOP
Paradigm UID	1.2.840.113819.3.16913055 6689.1475863964891970.45 7
Initial State	Control
PSD Trigger	Internal
Slice Order	Sequential
View Order	Top/Down
# of Repetitions REST	1
# of Repetitions ACTIVE	1
# of Dummy Acquisition	3
SAT	
Tag Type	None
Fat/Water Saturation	Fat
TRICKS	
Pause On/Off	On
Auto Subtract	0
Auto SCIC	Off
OTHERS	
Protocol Notes	PLEASE PRESCRIBE TOP DOWN !!!!!

EPI stop signal

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Gradient Echo
Imaging Options	EPI, Asset, FMRI
SCAN RANGE	
FOV	21.8
Slice Thickness	2.4
Slice Spacing	1.0
ACQ TIMING	
Freq	64
Phase	64
Freq DIR	R/L
NEX	1.00
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	Yes
USER CVS	
User CV0	1.00
MULTI-PHASE	
Slice per Location	350
Seperate Series	0
Delay after Acquisition without AV	0
Mask Phase	0
Mask Pause	0
DIFFUSION	
Recon All Images	On
CONTRAST	
Contrast Yes/No	No

EPI stop signal

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GRE field mapping 1	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	None
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	GRE field mapping 1	FOV	38.0
	SCAN TIMING		Slice Thickness	4.0
	Flip Angle	45	Slice Spacing	0.0
	TE	6.8	ACQ TIMING	
	Number of Echoes	1	Freq	128
	TR	480.0	Phase	128
	Receiver Bandwidth	31.25	Freq DIR	A/P
	IMAGE ENHANCE		NEX	1.00
	Filter Choice	None	Phase FOV	1.00
	GATING/TRIGGER		Auto Shim	Off
	Auto Trigger Type	Off	Phase Correction	No
	MULTI-PHASE		FMRI	
	Seperate Series	0	Initial State	Control
	Delay after Acquisition without AV	0	PSD Trigger	Internal
	Mask Phase	0	Slice Order	Sequential
	Mask Pause	0	View Order	Bottom/Up
	DIFFUSION		# of Repetitions REST	0
	Recon All Images	On	# of Repetitions ACTIVE	0
	CONTRAST		SAT	
	Contrast Yes/No	No	Tag Type	None
			TRICKS	
			Pause On/Off	On
			Auto Subtract	0
			Auto SCIC	Off
			OTHERS	
			Protocol Notes	Display CVs and set rhrcctrl=12 and saveinter=1 before running

GRE field mapping 1

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GRE field mapping 2	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	None
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	GRE field mapping 2	FOV	38.0
	SCAN TIMING		Slice Thickness	4.0
	Flip Angle	45	Slice Spacing	0.0
	TE	4.5	ACQ TIMING	
	Number of Echoes	1	Freq	128
	TR	480.0	Phase	128
	Receiver Bandwidth	31.25	Freq DIR	A/P
	IMAGE ENHANCE		NEX	1.00
	Filter Choice	None	Phase FOV	1.00
	GATING/TRIGGER		Auto Shim	Off
	Auto Trigger Type	Off	Phase Correction	No
	MULTI-PHASE		FMRI	
	Seperate Series	0	Initial State	Control
	Delay after Acquisition without AV	0	PSD Trigger	Internal
	Mask Phase	0	Slice Order	Sequential
	Mask Pause	0	View Order	Bottom/Up
	DIFFUSION		# of Repetitions REST	0
	Recon All Images	On	# of Repetitions ACTIVE	0
	CONTRAST		SAT	
	Contrast Yes/No	No	Tag Type	None
			TRICKS	
			Pause On/Off	On
			Auto Subtract	0
			Auto SCIC	Off
			OTHERS	
			Protocol Notes	Display CVs and set rhrcctrl=12 and saveinter=1 Manual prescan and immediately Done Scan

GRE field mapping 2

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DTI

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	HD 8Ch High Res Brain Array by Invivo
Plane	OBLIQUE
Series Description	DTI
SCAN TIMING	
TE	Minimum
Number of Shots	1
IMAGE ENHANCE	
Filter Choice	None
GATING/TRIGGER	
Auto Trigger Type	On
Trigger Type	0
Minimum Trigger Delay	2
Cardiac Phase	1
Cardiac Slices	1
FMRI	
PSD Trigger	Internal
Slice Order	Interleaved
View Order	Bottom/Up
# of Repetitions REST	0
# of Repetitions ACTIVE	0
SAT	
Tag Type	None
Fat/Water Saturation	Fat
TRICKS	
# of RR Intervals	20
Trigger Delay	23
Pause On/Off	On
Auto Subtract	0
Auto SCIC	Off

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Spin Echo
Imaging Options	Gat, EPI, DIFF, Asset
PSD Name	/usr/g/cns/spbmfed/epi2
SCAN RANGE	
FOV	30.7
Slice Thickness	2.4
Slice Spacing	0.0
ACQ TIMING	
Freq	128
Phase	128
Freq DIR	R/L
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	Yes
USER CVS	
User CV5	1.00
User CV17	1.00
MULTI-PHASE	
Seperate Series	0
Inter-Delay	Minimum
Mask Phase	0
Mask Pause	0
DIFFUSION	
Optimized TE	Yes
Diffusion Directions	Tensor
Number of Diffusion Directions	32
Number of T2 Images	4
Dual Spin Echo	On
Diffusion Tenser Processing Output	No Selection
Recon All Images	Off
CONTRAST	
Contrast Yes/No	No

DTI

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EPI REST

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	HD 8Ch High Res Brain Array by Invivo
Plane	OBLIQUE
Series Description	EPI REST
SCAN TIMING	
Flip Angle	75
TE	30.0
TR	2200.0
Number of Shots	1
IMAGE ENHANCE	
Filter Choice	None
GATING/TRIGGER	
Auto Trigger Type	Off
FMRI	
Brain Wave Real Time	2
Paradigm String	IMAGEN - REST
Paradigm UID	1.2.840.113819.3.169130556689.1475864752308656.483
Initial State	Control
PSD Trigger	Internal
Slice Order	Sequential
View Order	Top/Down
# of Repetitions REST	1
# of Repetitions ACTIVE	1
# of Dummy Acquisition	3
SAT	
Tag Type	None
Fat/Water Saturation	Fat
TRICKS	
Pause On/Off	On
Auto Subtract	0
Auto SCIC	Off
OTHERS	
Protocol Notes	PLEASE PRESCRIBE TOP DOWN !!!!!

EPI REST

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Gradient Echo
Imaging Options	EPI, Asset, FMRI
SCAN RANGE	
FOV	21.8
Slice Thickness	2.4
Slice Spacing	1.0
ACQ TIMING	
Freq	64
Phase	64
Freq DIR	R/L
NEX	1.00
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	Yes
USER CVS	
User CV0	1.00
MULTI-PHASE	
Slice per Location	164
Seperate Series	0
Delay after Acquisition without AV	0
Mask Phase	0
Mask Pause	0
DIFFUSION	
Recon All Images	On
CONTRAST	
Contrast Yes/No	No