

Protocol: adult_other_ADRC_CORE-(10-11-2018)

FGRE	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Gradient Echo
	Coil Configuration	GE48chHeadAnt;GE48chHeadPos	Imaging Options	Seq, Fast
	Plane	3-PLANE	IDEAL	1
	Series Description	FGRE	SCAN RANGE	
	SCAN TIMING		FOV	32.0
	Number of Echoes	1	Slice Thickness	5.0
	IMAGE ENHANCE		Slice Spacing	5.0
	Filter Choice	None	ACQ TIMING	
	GATING/TRIGGER		Freq	256
	Auto Trigger Type	Off	Phase	128
	Pause After Navigator Prescan	0	Freq DIR	Unswap
	FMRI		NEX	1.00
	PSD Trigger	Internal	Phase FOV	1.00
	View Order	Bottom/Up	Auto Shim	Auto
	# of Repetitions REST	0	Phase Correction	No
	# of Repetitions ACTIVE	0	RF Drive Mode	Preset
	SAT		Excitation Mode	Selective
	Tag Type	None	USER CVS	
	TRICKS		User CV20	1.00
	Pause On/Off	On	User CV Mask2	0
	Auto Subtract	0	MULTI-PHASE	
	Auto SCIC	Off	Seperate Series	0
			Mask Phase	0
			Mask Pause	0
			Preserve	0
			DIFFUSION	
			Recon All Images	On
			# Synthetic b-values	1
			Synthetic b-value	1000.0;
			CONTRAST	
			Contrast Yes/No	No

FGRE

Protocol: adult_other_ADRC_CORE-(10-11-2018)

3D Calibration	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	SPGR
	Coil Configuration	GE21chHNABase;GE32chT DIPA	Imaging Options	EDR, Fast, ZIP2, Calib
	Plane	AXIAL	SCAN RANGE	
	Series Description	3D Calibration	FOV	30.0
	SCAN TIMING		Slice Thickness	10.0
	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	RF Drive Mode	Preset
	FMRI		Excitation Mode	Selective
	PSD Trigger	Internal	USER CVS	
	Slice Order	Interleaved	User CV Mask2	0
	View Order	Bottom/Up	MULTI-PHASE	
	# of Repetitions REST	0	Seperate Series	0
	# of Repetitions ACTIVE	0	Mask Phase	0
	SAT		Mask Pause	0
	Tag Type	None	Preserve	0
	TRICKS		DIFFUSION	
	Pause On/Off	On	Recon All Images	On
	Auto Subtract	0	Multi b-values	1000.0;
	Auto SCIC	Off	Multi NEX Values	1;
			# Synthetic b-values	1
			Synthetic b-value	1000.0;
			CONTRAST	
			Contrast Yes/No	No

3D Calibration

Protocol: adult_other_ADRC_CORE-(10-11-2018)

mADNI3_T1	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	SPGR
	Coil Configuration	GE48chHeadAnt;GE48chHeadPos	Imaging Options	EDR, Fast, Asset, IrP
	Plane	SAGITTAL	Phase	2.00
	Series Description	mADNI3_T1	SCAN RANGE	
	SCAN TIMING		FOV	25.6
	Flip Angle	11	Slice Thickness	1.0
	TE	Min Full	Location per Slab	240
	Number of Echoes	1	Overlap Locations	0
	TI	400	ACQ TIMING	
	Receiver Bandwidth	31.25	Freq	256
	IMAGE ENHANCE		Phase	256
	Filter Choice	None	Freq DIR	S/I
	GATING/TRIGGER		NEX	1.00
	Auto Trigger Type	Off	Phase FOV	1.00
	FMRI		Auto Shim	On
	PSD Trigger	Internal	Phase Correction	No
	View Order	Bottom/Up	RF Drive Mode	Preset
	# of Repetitions REST	0	Excitation Mode	Non-Selective
	# of Repetitions ACTIVE	0	USER CVS	
mADNI3_T1	SAT		User CV6	1.00
	Tag Type	None	User CV23	100.00
	TRICKS		User CV30	1.00
	Pause On/Off	On	User CV41	5.00
	Auto Subtract	0	User CV Mask2	512
	Auto SCIC	2	MULTI-PHASE	
			Seperate Series	0
			Trigger Delay without AV	0
			Mask Phase	0
			Mask Pause	0
			Preserve	0
			DIFFUSION	
			Recon All Images	On
			# Synthetic b-values	1
			Synthetic b-value	1000.0;
			CONTRAST	
			Contrast Yes/No	No

Sag T2 FLAIR CUBE	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	Cube T2 FLAIR
	Coil Configuration	GE48chHeadAnt;GE48chHeadPos	Imaging Options	EDR, Fast, ZIP512, ZIP2, T2P, ARC, HS, IrP
	Plane	SAGITTAL	Phase	2.00
	Series Description	Sag T2 FLAIR CUBE	Slice	2.00
	SCAN TIMING		HyperSense	1.00
	TE	105.0	SCAN RANGE	
	Number of Echoes	1	FOV	25.0
	TR	6000.0	Slice Thickness	1.6
	TI	1698	Location per Slab	128
	Echo Train Length	170	Overlap Locations	0
	Receiver Bandwidth	35.71	ACQ TIMING	
	IMAGE ENHANCE		Freq	256
	Filter Choice	None	Phase	256
	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	RF Drive Mode	Optimized
	# of Repetitions ACTIVE	0	Excitation Mode	Non-Selective
Sag T2 FLAIR CUBE	SAT		USER CVS	
	Tag Type	None	User CV5	1.00
	Fat/Water Saturation	Fat	User CV30	1.00
	TRICKS		User CV41	5.00
	Pause On/Off	On	User CV Mask2	1536
	Auto Subtract	0	MULTI-PHASE	
	Auto SCIC	2	Seperate Series	0
			Mask Phase	0
			Mask Pause	0
			Preserve	0
			DIFFUSION	
			Recon All Images	On
			# Synthetic b-values	1
			Synthetic b-value	1000.0;
			CONTRAST	
			Contrast Yes/No	No

Protocol: adult_other_ADRC_CORE-(10-11-2018)

Pseudoswan	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Gradient Echo
	Coil Configuration	GE48chHeadAnt;GE48chHeadPos	Imaging Options	EPI, Asset
	Plane	AXIAL	Phase	2.00
	Series Description	Pseudoswan	SCAN RANGE	
	SCAN TIMING		FOV	24.0
	Flip Angle	60	Slice Thickness	3.0
	TE	35.0	Slice Spacing	1.0
	Number of Echoes	1	ACQ TIMING	
	TR	2000.0	Freq	256
	Number of Shots	2	Phase	512
	IMAGE ENHANCE		Freq DIR	R/L
	Filter Choice	None	NEX	1.00
	GATING/TRIGGER		Phase FOV	1.00
	Auto Trigger Type	Off	Auto Shim	Auto
	Pause After Navigator	0	Phase Correction	Yes
	Prescan		RF Drive Mode	Quadrature
	FMRI		Excitation Mode	Selective
	PSD Trigger	Internal	USER CVS	
	View Order	Bottom/Up	User CV0	1.00
	# of Repetitions REST	0	User CV41	5.00
	# of Repetitions ACTIVE	0	User CV Mask2	1024
	SAT		MULTI-PHASE	
	Tag Type	None	Seperate Series	0
	TRICKS		Mask Phase	0
	Pause On/Off	On	Mask Pause	0
	Auto Subtract	0	Preserve	0
	Auto SCIC	2	DIFFUSION	
			Recon All Images	On
			Multi b-values	1000.0;
			Multi NEX Values	1.0;
			# Synthetic b-values	1
			Synthetic b-value	1000.0;
			CONTRAST	
			Contrast Yes/No	No

Pseudoswan

Protocol: adult_other_ADRC_CORE-(10-11-2018)

Ax DWI asset

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	GE48chHeadAnt;GE48chHeadPos
Plane	AXIAL
Series Description	Ax DWI asset
SCAN TIMING	
TE	Minimum
Number of Echoes	1
TR	6275.0
Number of Shots	1
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	Off
OTHERS	
Protocol Notes	-Center Rx and verify that you have full brain coverage -After scan is finished, load the DWI images into functool -Click on ADC -Slide threshold bar so that you have only solid green lines in brain and no small green circles/dots -Right click on bottom right images and select color ramps-->gray levels -Click on film/save/report-->functional map -->multiple locations-->Next -->Save as processed images-->Save

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Spin Echo
Imaging Options	EPI, DIFF, Asset
Phase	2.00
SCAN RANGE	
FOV	24.0
Slice Thickness	5.0
Slice Spacing	1.0
ACQ TIMING	
Freq	128
Phase	128
Freq DIR	R/L
Phase FOV	1.00
Auto Shim	Off
Phase Correction	Yes
RF Drive Mode	Quadrature
Excitation Mode	Selective
USER CVS	
User CV0	1.00
User CV5	1.00
User CV Mask2	0
MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
Preserve	0
DIFFUSION	
Optimized TE	Yes
Diffusion Directions	All
Number of Diffusion Directions	3
Number of T2 Images	1
Dual Spin Echo	On
Recon All Images	On
Multi b-values	1000.0;
Multi NEX Values	1.0;
NEX For T2	1.00
CONTRAST	
Contrast Yes/No	No

Ax DWI asset

Ax DWI asset

Protocol: adult_other_ADRC_CORE-(10-11-2018)

MPnRAGE_VFA	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	SPGR
	Coil Configuration	GE48chHeadAnt;GE48chHeadPos	Imaging Options	Fast, IrP
	Plane	AXIAL	PSD Name	/usr/g/M/adrc/mpnrage/mpnrage27
	Series Description	MPnRAGE_VFA	IDEAL	1
	SCAN TIMING		SCAN RANGE	
	Flip Angle	8	FOV	25.6
	TE	Minimum	Slice Thickness	1.0
	Number of Echoes	1	ACQ TIMING	
	TI	15	Freq	256
	Blood Suppression TI	1500	Freq DIR	A/P
	Receiver Bandwidth	125.00	Auto Shim	Auto
	IMAGE ENHANCE		Phase Correction	No
	Filter Choice	None	RF Drive Mode	Preset
	GATING/TRIGGER		Excitation Mode	Selective
	Auto Trigger Type	Off	USER CVS	
	Pause After Navigator Prescan	0	User CV0	27.00
	FMRI		User CV2	2.00
	PSD Trigger	Internal	User CV3	1.00
	View Order	Bottom/Up	User CV5	19412.00
	# of Repetitions REST	0	User CV11	4.00
	# of Repetitions ACTIVE	0	User CV15	1.00
	SAT		User CV17	87000.00
	Tag Type	None	User CV18	1.00
	TRICKS		User CV20	25.00
	Pause On/Off	On	User CV32	500.00
	Auto Subtract	0	User CV33	10.00
	Auto SCIC	Off	User CV36	1900.00
	OTHERS		User CV Mask2	54
	Protocol Notes	Center on Brain	MULTI-PHASE	
			Seperate Series	0
			Mask Phase	0
			Mask Pause	0
			Preserve	0
			DIFFUSION	
			Recon All Images	On
			Multi b-values	1000.0;
			Multi NEX Values	1.0;
			# Synthetic b-values	1
			Synthetic b-value	1000.0;
			CONTRAST	
			Contrast Yes/No	No

MPnRAGE_VFA

Protocol: adult_other_ADRC_CORE-(10-11-2018)

PCVIPR	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	Vasc PC
	Coil Configuration	GE48chHeadAnt;GE48chHeadPos	Imaging Options	Gat
	Plane	AXIAL	PSD Name	/usr/g/M/adrc/pcvipr/pcvipr
	Series Description	PCVIPR	SCAN RANGE	
	SCAN TIMING		FOV	22.0
	Flip Angle	8	Slice Thickness	1.0
	TE	Minimum	ACQ TIMING	
	Number of Echoes	1	Freq	320
	Receiver Bandwidth	125.00	Freq DIR	A/P
	IMAGE ENHANCE		Auto Shim	Auto
	Filter Choice	None	Phase Correction	No
	GATING/TRIGGER		RF Drive Mode	Quadrature
	Auto Trigger Type	Off	Excitation Mode	Selective
	Trigger Type	1	USER CVS	
	Cardiac Phase	1	User CV0	1.00
	Cardiac Slices	1	User CV1	-1.00
	Pause After Navigator Prescan	0	User CV5	19412.00
	FMRI		User CV11	4.00
	PSD Trigger	Internal	User CV15	1.00
	View Order	Bottom/Up	User CV17	11000.00
	# of Repetitions REST	0	User CV18	1.00
	# of Repetitions ACTIVE	0	User CV Mask2	0
	SAT		MULTI-PHASE	
	Tag Type	None	Seperate Series	0
	DIFFUSION		Mask Phase	0
	Recon All Images	On	Mask Pause	0
	# Synthetic b-values	1	Preserve	0
	Synthetic b-value	1000.0;	VASCULAR	
	CONTRAST		Flow Analysis	All
	Contrast Yes/No	No	Velocity Encoding	80.0
			TRICKS	
			# of RR Intervals	1
			Pause On/Off	On
			Auto Subtract	0
			Auto SCIC	Off
			OTHERS	
			Protocol Notes	-Verify that PG tracing is accurate and consistent -Images will not come back to the scanner

PCVIPR

Protocol: adult_other_ADRC_CORE-(10-11-2018)

PATIENT POSITION

Patient Entry *Head First*
 Patient Position *Supine*
 Coil Configuration *GE48chHeadAnt;GE48chHeadPos*
 Plane *AXIAL*
 Series Description *APS_hydi_7500_pepolar0*

SCAN TIMING

TE *Minimum*
 Number of Echoes *1*
 TR *3600.0*
 Number of Shots *1*

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*
 Fat/Water Saturation *Fat*

TRICKS

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

IMAGING PARAMETERS

Imaging Mode *2D*
 Pulse Sequence *Spin Echo*
 Imaging Options *EDR, Cla, EPI, DIFF, ARC, HB*
 PSD Name */usr/g/M/adrc/dti/dti*
 IDEAL *1*
 Phase *1.00*
 HyperBand Slice *3*

SCAN RANGE

FOV *24.0*
 Slice Thickness *2.5*
 Slice Spacing *0.0*

ACQ TIMING

Freq *96*
 Phase *96*
 Freq DIR *R/L*
 Phase FOV *1.00*
 Auto Shim *Auto*
 Phase Correction *Yes*
 RF Drive Mode *Preset*
 Excitation Mode *Selective*

USER CVS

User CV5 *1.00*
 User CV15 *1.00*
 User CV17 *1.00*
 User CV19 *2.00*
 User CV30 *1.00*
 User CV39 *1.00*
 User CV Mask2 *256*

MULTI-PHASE

Seperate Series *0*
 Mask Phase *0*
 Mask Pause *0*
 Preserve *0*

DIFFUSION

Optimized TE *No*
 Diffusion Directions *Tensor*
 Number of T2 Images *4*
 Dual Spin Echo *Off*
 Diffusion Tensor Processing Output *No Selection*
 Recon All Images *Off*
 Multi b-values *300.0;1200.0;2700.0;4800.0;7500.0;*
 Multi NEX Values *7.0;17.0;15.0;17.0;31.0;*
 Real Time Field Adjustment *1*

CONTRAST

Contrast Yes/No *No*

APS_hydi_7500_pepolar0

APS_hydi_7500_pepolar0

Protocol: adult_other_ADRC_CORE-(10-11-2018)

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	GE48chHeadAnt;GE48chHeadPos	Imaging Options	EDR, Cla, EPI, DIFF, ARC, HB
Plane	AXIAL	PSD Name	/usr/g/M/adrc/dti/dti
Series Description	MPS_hydi_7500_pepolar1	IDEAL	1
SCAN TIMING		Phase	1.00
TE	Minimum	HyperBand Slice	3
Number of Echoes	1	SCAN RANGE	
TR	3600.0	FOV	24.0
Number of Shots	1	Slice Thickness	2.5
IMAGE ENHANCE		Slice Spacing	0.0
Filter Choice	None	ACQ TIMING	
GATING/TRIGGER		Freq	96
Auto Trigger Type	Off	Phase	96
FMRI		Freq DIR	R/L
PSD Trigger	Internal	Phase FOV	1.00
View Order	Bottom/Up	Auto Shim	Off
# of Repetitions REST	0	Phase Correction	Yes
# of Repetitions ACTIVE	0	RF Drive Mode	Preset
SAT		Excitation Mode	Selective
Tag Type	None	USER CVS	
Fat/Water Saturation	Fat	User CV5	1.00
TRICKS		User CV15	1.00
Pause On/Off	On	User CV17	1.00
Auto Subtract	0	User CV19	2.00
Auto SCIC	Off	User CV20	1.00
OTHERS		User CV30	1.00
Protocol Notes	Copy Rx from hydi_7500_pepolar0 Manual Prescan Scantime will be different from hydi_7500_pepolar0	User CV39	1.00
		User CV Mask2	256
		MULTI-PHASE	
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		Preserve	0
		DIFFUSION	
		Optimized TE	No
		Diffusion Directions	Tensor
		Number of T2 Images	4
		Dual Spin Echo	Off
		Diffusion Tensor Processing Output	No Selection
		Recon All Images	Off
		Multi b-values	300.0;1200.0;2700.0;4800.0;7500.0;
		Multi NEX Values	9.0;15.0;17.0;15.0;33.0;
		Real Time Field Adjustment	1
		CONTRAST	
		Contrast Yes/No	No

Protocol: adult_other_ADRC_CORE-(10-11-2018)

UW eASL	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	3DASL
	Coil Configuration	GE48chHeadAnt;GE48chHeadPos	Imaging Options	EDR, Fast, Spiral
	Plane	AXIAL	PSD Name	/usr/g/M/adrc/easl/3dpcasl
	Series Description	UW eASL	SCAN RANGE	
	SCAN TIMING		FOV	24.0
	Number of Echoes	1	Slice Thickness	4.0
	Receiver Bandwidth	62.50	ACQ TIMING	
	IMAGE ENHANCE		Freq	512
	Filter Choice	None	Phase	8
	GATING/TRIGGER		Freq DIR	A/P
	Auto Trigger Type	Off	NEX	1.00
	Pause After Navigator Prescan	0	Auto Shim	On
	FMRI		Phase Correction	No
	PSD Trigger	Internal	RF Drive Mode	Preset
	View Order	Bottom/Up	Excitation Mode	Selective
	# of Repetitions REST	0	USER CVS	
	# of Repetitions ACTIVE	0	User CV1	1.00
	SAT		User CV4	1000.00
	Tag Type	None	User CV5	3000.00
	Fat/Water Saturation	Fat	User CV6	3.00
	TRICKS		User CV7	0.50
	Pause On/Off	On	User CV8	1.00
	Auto Subtract	0	User CV9	0.50
	Auto SCIC	Off	User CV10	19412.00
			User CV22	1.00
			User CV23	8.00
			User CV35	-1.00
			User CV Mask2	16
			MULTI-PHASE	
			Seperate Series	0
			Mask Phase	0
			Mask Pause	0
			Preserve	0
			DIFFUSION	
			Recon All Images	On
			# Synthetic b-values	1
			Synthetic b-value	1000.0;
			CONTRAST	
			Contrast Yes/No	No

UW eASL

CUBE T2 HR <50	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	Cube
	Plane	SAGITTAL	Imaging Options	FC, Gat, EDR, Fast, ZIP512, ZIP2, FR, ARC, HS
	Series Description	CUBE T2 HR <50	Phase	2.00
	SCAN TIMING		Slice	2.00
	TE	Maximum	HyperSense	1.50
	Number of Echoes	1	SCAN RANGE	
	Echo Train Length	100	FOV	25.6
	Receiver Bandwidth	31.25	Slice Thickness	1.6
	IMAGE ENHANCE		Location per Slab	128
	Filter Choice	None	Overlap Locations	0
	GATING/TRIGGER		ACQ TIMING	
	Auto Trigger Type	On	Freq	256
	Trigger Type	0	Phase	256
	Minimum Trigger Delay	1	Freq DIR	S/I
	Cardiac Phase	1	NEX	1.00
	Cardiac Slices	1	Phase FOV	1.00
	FMRI		Auto Shim	Auto
	PSD Trigger	Internal	Phase Correction	No
	View Order	Bottom/Up	Flow Direction	Freq
	# of Repetitions REST	0	Compensation	
	# of Repetitions ACTIVE	0	RF Drive Mode	Quadrature
	SAT		Excitation Mode	Selective
	Tag Type	None	USER CVS	
	Fat/Water Saturation	Fat	User CV5	1.00
	TRICKS		User CV29	1.00
	# of RR Intervals	2	User CV30	1.00
	Trigger Delay	205	User CV Mask2	512
	Pause On/Off	On	MULTI-PHASE	
	Auto Subtract	0	Seperate Series	0
	Auto SCIC	2	Inter-Delay	Minimum
			Mask Phase	0
			Mask Pause	0
			Preserve	0
			DIFFUSION	
			Recon All Images	On
			# Synthetic b-values	1
			Synthetic b-value	1000.0;
			CONTRAST	
			Contrast Yes/No	No

CUBE T2 HR <50

CUBE T2 HR 50-75	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	Cube
	Plane	SAGITTAL	Imaging Options	FC, Gat, EDR, Fast, ZIP512, ZIP2, FR, ARC, HS
	Series Description	CUBE T2 HR 50-75	Phase	2.00
	SCAN TIMING		Slice	2.00
	TE	Maximum	HyperSense	1.50
	Number of Echoes	1	SCAN RANGE	
	Echo Train Length	100	FOV	25.6
	Receiver Bandwidth	31.25	Slice Thickness	1.6
	IMAGE ENHANCE		Location per Slab	128
	Filter Choice	None	Overlap Locations	0
	GATING/TRIGGER		ACQ TIMING	
	Auto Trigger Type	On	Freq	256
	Trigger Type	0	Phase	256
	Minimum Trigger Delay	1	Freq DIR	S/I
	Cardiac Phase	1	NEX	1.00
	Cardiac Slices	1	Phase FOV	1.00
	FMRI		Auto Shim	Auto
	PSD Trigger	Internal	Phase Correction	No
	View Order	Bottom/Up	Flow Direction	Freq
	# of Repetitions REST	0	Compensation	
	# of Repetitions ACTIVE	0	RF Drive Mode	Quadrature
	SAT		Excitation Mode	Selective
	Tag Type	None	USER CVS	
	Fat/Water Saturation	Fat	User CV5	1.00
	TRICKS		User CV29	1.00
	# of RR Intervals	3	User CV30	1.00
	Trigger Delay	205	User CV Mask2	512
	Pause On/Off	On	MULTI-PHASE	
	Auto Subtract	0	Seperate Series	0
	Auto SCIC	2	Inter-Delay	Minimum
			Mask Phase	0
			Mask Pause	0
			Preserve	0
			DIFFUSION	
			Recon All Images	On
			# Synthetic b-values	1
			Synthetic b-value	1000.0;
			CONTRAST	
			Contrast Yes/No	No

CUBE T2 HR 50-75

Protocol: adult_other_ADRC_CORE-(10-11-2018)

PATIENT POSITION

Patient Entry	Head First
Patient Position	Supine
Coil Configuration	GE48chHeadAnt;GE48chHeadPos
Plane	SAGITTAL
Series Description	CUBE T2 HR >75

SCAN TIMING

TE	Maximum
Number of Echoes	1
Echo Train Length	100
Receiver Bandwidth	31.25

IMAGE ENHANCE

Filter Choice	None
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GATING/TRIGGER

Auto Trigger Type	Off
Trigger Type	5
Minimum Trigger Delay	1
Cardiac Phase	1
Cardiac Slices	1

FMRI

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

SAT

Tag Type	None
Fat/Water Saturation	Fat

TRICKS

# of RR Intervals	4
Trigger Delay	205
Pause On/Off	On
Auto Subtract	0
Auto SCIC	2

IMAGING PARAMETERS

Imaging Mode	3D
Pulse Sequence	Cube
Imaging Options	FC, Gat, EDR, Fast, ZIP512, ZIP2, FR, ARC, HS
Phase	2.00
Slice	2.00
HyperSense	1.50

SCAN RANGE

FOV	25.6
Slice Thickness	1.6
Location per Slab	128
Overlap Locations	0

ACQ TIMING

Freq	256
Phase	256
Freq DIR	S/I
NEX	1.00
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	No
Flow Direction Compensation	Freq
RF Drive Mode	Quadrature
Excitation Mode	Selective

USER CVS

User CV5	1.00
User CV29	1.00
User CV30	1.00
User CV41	5.00
User CV Mask2	512

MULTI-PHASE

Seperate Series	0
Inter-Delay	Minimum
Mask Phase	0
Mask Pause	0
Preserve	0

DIFFUSION

Recon All Images	On
# Synthetic b-values	1
Synthetic b-value	1000.0;

CONTRAST

Contrast Yes/No	No
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CUBE T2 HR >75

CUBE T2 HR >75

Protocol: adult_other_ADRC_CORE-(10-11-2018)

CUBE T2 Ungated	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	Cube
	Plane	SAGITTAL	Imaging Options	FC, EDR, Fast, ZIP512, ZIP2, FR, ARC, HS
	Series Description	CUBE T2 Ungated	Phase	2.00
	SCAN TIMING		Slice	2.00
	TE	Maximum	HyperSense	1.50
	Number of Echoes	1	SCAN RANGE	
	TR	2500.0	FOV	25.6
	Echo Train Length	100	Slice Thickness	1.6
	Receiver Bandwidth	31.25	Location per Slab	128
	IMAGE ENHANCE		Overlap Locations	0
	Filter Choice	None	ACQ TIMING	
	GATING/TRIGGER		Freq	256
	Auto Trigger Type	Off	Phase	256
	FMRI		Freq DIR	S/I
	PSD Trigger	Internal	NEX	1.00
	View Order	Bottom/Up	Phase FOV	1.00
	# of Repetitions REST	0	Auto Shim	Auto
	# of Repetitions ACTIVE	0	Phase Correction	No
	SAT		Flow Direction Compensation	Freq
	Tag Type	None	RF Drive Mode	Quadrature
	Fat/Water Saturation	Fat	Excitation Mode	Selective
	TRICKS		USER CVS	
	Pause On/Off	On	User CV5	1.00
	Auto Subtract	0	User CV29	1.00
	Auto SCIC	2	User CV30	1.00
			User CV Mask2	512
			MULTI-PHASE	
			Seperate Series	0
			Mask Phase	0
			Mask Pause	0
			Preserve	0
			DIFFUSION	
			Recon All Images	On
			Multi b-values	1000.0;
			Multi NEX Values	1;
			# Synthetic b-values	1
			Synthetic b-value	1000.0;
			CONTRAST	
			Contrast Yes/No	No

CUBE T2 Ungated