

Protocol: adult\_other\_ADRC\_CORE-(10-11-2018)

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	Separate Series	0
		Mask Phase	0
		Mask Pause	0
		Preserve	0
DIFFUSION		DIFFUSION	
		Recon All Images	On
		# Synthetic b-values	1
		Synthetic b-value	1000.0;
CONTRAST		CONTRAST	
		Contrast Yes/No	No

Protocol: adult\_other\_ADRC\_CORE-(10-11-2018)

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	SPGR
Coil Configuration	GE21chHNATFace;GE32chTDPA	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	Separate 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		Contrast Yes/No	

3D Calibration

3D Calibration

Protocol: adult\_other\_ADRC\_CORE-(10-11-2018)

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	
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	
		Separate Series	0
		Trigger Delay without AV	0
		Mask Phase	0
		Mask Pause	0
		Preserve	0
DIFFUSION		CONTRAST	
		Recon All Images	On
		# Synthetic b-values	1
		Synthetic b-value	1000.0;
		Contrast Yes/No	No

mADNI3\_T1

mADNI3\_T1

Protocol: adult\_other\_ADRC\_CORE-(10-11-2018)

<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
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
<b>SCAN TIMING</b>		HyperSense	1.00
TE	105.0	<b>SCAN RANGE</b>	
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	<b>ACQ TIMING</b>	
<b>IMAGE ENHANCE</b>		Freq	256
Filter Choice	None	Phase	256
<b>GATING/TRIGGER</b>		Freq DIR	S/I
Auto Trigger Type	Off	NEX	1.00
<b>FMRI</b>		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
<b>SAT</b>		<b>USER CVS</b>	
Tag Type	None	User CV5	1.00
Fat/Water Saturation	Fat	User CV30	1.00
<b>TRICKS</b>		User CV41	5.00
Pause On/Off	On	User CV Mask2	1536
Auto Subtract	0	<b>MULTI-PHASE</b>	
Auto SCIC	2	Separate Series	0
		Mask Phase	0
		Mask Pause	0
		Preserve	0
<b>DIFFUSION</b>		<b>DIFFUSION</b>	
Recon All Images		Recon All Images	On
# Synthetic b-values		# Synthetic b-value	1
Synthetic b-value		Synthetic b-value	1000.0;
<b>CONTRAST</b>		<b>CONTRAST</b>	
Contrast Yes/No		Contrast Yes/No	No

Sag T2 FLAIR CUBE

Protocol: adult\_other\_ADRC\_CORE-(10-11-2018)

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	Separate 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	
Contrast Yes/No	No		

Pseudoswan

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<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	GE48chHeadAnt;GE48chHeadPos	Imaging Options	EPI, DIFF, Asset
Plane	AXIAL	Phase	2.00
Series Description	Ax DWI asset	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	24.0
TE	Minimum	Slice Thickness	5.0
Number of Echoes	1	Slice Spacing	1.0
TR	6275.0	<b>ACQ TIMING</b>	
Number of Shots	1	Freq	128
<b>IMAGE ENHANCE</b>		Phase	128
Filter Choice	None	Freq DIR	R/L
<b>GATING/TRIGGER</b>		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Off
<b>FMRI</b>		Phase Correction	Yes
PSD Trigger	Internal	RF Drive Mode	Quadrature
Slice Order	Interleaved	Excitation Mode	Selective
View Order	Bottom/Up	<b>USER CVS</b>	
# of Repetitions REST	0	User CV0	1.00
# of Repetitions ACTIVE	0	User CV5	1.00
<b>SAT</b>		User CV Mask2	0
Tag Type	None	<b>MULTI-PHASE</b>	
<b>TRICKS</b>		Separate Series	0
Pause On/Off	On	Mask Phase	0
Auto Subtract	0	Mask Pause	0
Auto SCIC	Off	Preserve	0
<b>OTHERS</b>		<b>DIFFUSION</b>	
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	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
<b>CONTRAST</b>		<b>CONTRAST</b>	
		Contrast Yes/No	No

Ax DWI asset

Ax DWI asset

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<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	<i>Head First</i>	Imaging Mode	<i>3D</i>
Patient Position	<i>Supine</i>	Pulse Sequence	<i>SPGR</i>
Coil Configuration	<i>GE48chHeadAnt;GE48chHeadPos</i>	Imaging Options	<i>Fast, IrP</i>
Plane	<i>AXIAL</i>	PSD Name	<i>/usr/g/M/adrc/mpnrage/mpnra</i> <i>ge27</i>
Series Description	<i>MPnRAGE_VFA</i>	IDEAL	<i>1</i>
<b>SCAN TIMING</b>		<b>SCAN RANGE</b>	
Flip Angle	<i>8</i>	FOV	<i>25.6</i>
TE	<i>Minimum</i>	Slice Thickness	<i>1.0</i>
Number of Echoes	<i>1</i>	<b>ACQ TIMING</b>	
TI	<i>15</i>	Freq	<i>256</i>
Blood Suppression TI	<i>1500</i>	Freq DIR	<i>A/P</i>
Receiver Bandwidth	<i>125.00</i>	Auto Shim	<i>Auto</i>
<b>IMAGE ENHANCE</b>		<b>Phase Correction</b>	
Filter Choice	<i>None</i>	RF Drive Mode	<i>Preset</i>
<b>GATING/TRIGGER</b>		<b>Excitation Mode</b>	
Auto Trigger Type	<i>Off</i>	<b>USER CVS</b>	
Pause After Navigator Prescan	<i>0</i>	User CV0	<i>27.00</i>
<b>FMRI</b>		User CV2	<i>2.00</i>
PSD Trigger	<i>Internal</i>	User CV3	<i>1.00</i>
View Order	<i>Bottom/Up</i>	User CV5	<i>19412.00</i>
# of Repetitions REST	<i>0</i>	User CV11	<i>4.00</i>
# of Repetitions ACTIVE	<i>0</i>	User CV15	<i>1.00</i>
<b>SAT</b>		User CV17	<i>87000.00</i>
Tag Type	<i>None</i>	User CV18	<i>1.00</i>
<b>TRICKS</b>		User CV20	<i>25.00</i>
Pause On/Off	<i>On</i>	User CV32	<i>500.00</i>
Auto Subtract	<i>0</i>	User CV33	<i>10.00</i>
Auto SCIC	<i>Off</i>	User CV36	<i>1900.00</i>
<b>OTHERS</b>		User CV Mask2	<i>54</i>
Protocol Notes	<i>Center on Brain</i>	<b>MULTI-PHASE</b>	
		Separate Series	<i>0</i>
		Mask Phase	<i>0</i>
		Mask Pause	<i>0</i>
		Preserve	<i>0</i>
<b>DIFFUSION</b>		<b>CONTRAST</b>	
		Recon All Images	<i>On</i>
		Multi b-values	<i>1000.0;</i>
		Multi NEX Values	<i>1.0;</i>
		# Synthetic b-values	<i>1</i>
		Synthetic b-value	<i>1000.0;</i>
		Contrast Yes/No	<i>No</i>

MPnRAGE\_VFA

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

PCVPR

PCVPR

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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	APS_hydi_7500_pepolar0	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	Auto
# 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 CV30	1.00
		User CV39	1.00
		User CV Mask2	256
MULTI-PHASE		DIFFUSION	
Separate Series	0	Optimized TE	No
Mask Phase	0	Diffusion Directions	Tensor
Mask Pause	0	Number of T2 Images	4
Preserve	0	Dual Spin Echo	Off
DIFFUSION		Diffusion Tenser	No Selection
Optimized TE	No	Processing Output	
Diffusion Directions	Tensor	Recon All Images	Off
Number of T2 Images	4	Multi b-values	300.0;1200.0;2700.0;4800.0;7500.0;
Dual Spin Echo	Off	Multi NEX Values	7.0;17.0;15.0;17.0;31.0;
Diffusion Tenser	No Selection	Real Time Field Adjustment	1
CONTRAST			
Contrast Yes/No	No		

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		SCAN RANGE	
TE	Minimum	FOV	24.0
Number of Echoes	1	Slice Thickness	2.5
TR	3600.0	Slice Spacing	0.0
Number of Shots	1	ACQ TIMING	
IMAGE ENHANCE		Freq	96
Filter Choice	None	Phase	96
GATING/TRIGGER		Freq DIR	R/L
Auto Trigger Type	Off	Phase FOV	1.00
FMRI		Auto Shim	Off
PSD Trigger	Internal	Phase Correction	Yes
View Order	Bottom/Up	RF Drive Mode	Preset
# of Repetitions REST	0	Excitation Mode	Selective
# of Repetitions ACTIVE	0	USER CVS	
SAT		User CV5	1.00
Tag Type	None	User CV15	1.00
Fat/Water Saturation	Fat	User CV17	1.00
TRICKS		User CV19	2.00
Pause On/Off	On	User CV20	1.00
Auto Subtract	0	User CV30	1.00
Auto SCIC	Off	User CV39	1.00
OTHERS		User CV Mask2	256
Protocol Notes	Copy Rx from hydi_7500_pepolar0 Manual Prescan Scantime will be different from hydi_7500_pepolar0	MULTI-PHASE	
		Separate Series	0
		Mask Phase	0
		Mask Pause	0
		Preserve	0
DIFFUSION		DIFFUSION	
		Optimized TE	No
		Diffusion Directions	Tensor
		Number of T2 Images	4
		Dual Spin Echo	Off
		Diffusion Tenser 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	
		Contrast Yes/No	No

MPS\_hydi\_7500\_pepolar1

MPS\_hydi\_7500\_pepolar1

Protocol: adult\_other\_ADRC\_CORE-(10-11-2018)

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/adrcc/easl/3dpcacl
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
MULTI-PHASE		User CV22	1.00
Separate Series	0	User CV23	8.00
Mask Phase	0	User CV35	-1.00
Mask Pause	0	User CV Mask2	16
DIFFUSION		CONTRAST	
Recon All Images	On	Contrast Yes/No	No
# Synthetic b-values	1		
Synthetic b-value	1000.0;		

UW eASL

UW eASL

Protocol: adult\_other\_ADRC\_CORE-(10-11-2018)

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	Location per Slab	
Filter Choice		Overlap Locations	0	Overlap Locations	
GATING/TRIGGER		ACQ TIMING		ACQ TIMING	
Auto Trigger Type		Freq	256	ACQ TIMING	
Trigger Type		Phase	256	ACQ TIMING	
Minimum Trigger Delay		Freq DIR	S/I	ACQ TIMING	
Cardiac Phase		NEX	1.00	ACQ TIMING	
Cardiac Slices		Phase FOV	1.00	ACQ TIMING	
FMRI		Auto Shim	Auto	ACQ TIMING	
PSD Trigger		Phase Correction	No	ACQ TIMING	
View Order		Flow Direction Compensation	Freq	ACQ TIMING	
# of Repetitions REST		RF Drive Mode	Quadrature	ACQ TIMING	
# of Repetitions ACTIVE		Excitation Mode	Selective	ACQ TIMING	
SAT		USER CVS		ACQ TIMING	
Tag Type		User CV5	1.00	ACQ TIMING	
Fat/Water Saturation		User CV29	1.00	ACQ TIMING	
TRICKS		User CV30	1.00	ACQ TIMING	
# of RR Intervals		User CV Mask2	512	ACQ TIMING	
Trigger Delay		MULTI-PHASE		ACQ TIMING	
Pause On/Off		Separate Series	0	ACQ TIMING	
Auto Subtract		Inter-Delay	Minimum	ACQ TIMING	
Auto SCIC		Mask Phase	0	ACQ TIMING	
		Mask Pause	0	ACQ TIMING	
		Preserve	0	ACQ TIMING	
		DIFFUSION		ACQ TIMING	
		Recon All Images	On	ACQ TIMING	
		# Synthetic b-values	1	ACQ TIMING	
		Synthetic b-value	1000.0;	ACQ TIMING	
		CONTRAST		ACQ TIMING	
		Contrast Yes/No	No	ACQ TIMING	

Protocol: adult\_other\_ADRC\_CORE-(10-11-2018)

CUBE T2 HR 50-75	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	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
	<b>SCAN TIMING</b>		Slice	2.00
	TE	Maximum	HyperSense	1.50
	Number of Echoes	1	<b>SCAN RANGE</b>	
	Echo Train Length	100	FOV	25.6
	Receiver Bandwidth	31.25	Slice Thickness	1.6
	<b>IMAGE ENHANCE</b>		Location per Slab	128
	Filter Choice	None	Overlap Locations	0
	<b>GATING/TRIGGER</b>		<b>ACQ TIMING</b>	
	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
	<b>FMRI</b>		Auto Shim	Auto
	PSD Trigger	Internal	Phase Correction	No
	View Order	Bottom/Up	Flow Direction Compensation	Freq
	# of Repetitions REST	0	RF Drive Mode	Quadrature
	# of Repetitions ACTIVE	0	Excitation Mode	Selective
	<b>SAT</b>		<b>USER CVS</b>	
	Tag Type	None	User CV5	1.00
	Fat/Water Saturation	Fat	User CV29	1.00
	<b>TRICKS</b>		User CV30	1.00
	# of RR Intervals	3	User CV Mask2	512
	Trigger Delay	205	<b>MULTI-PHASE</b>	
	Pause On/Off	On	Separate Series	0
	Auto Subtract	0	Inter-Delay	Minimum
	Auto SCIC	2	Mask Phase	0
	<b>DIFFUSION</b>		Mask Pause	0
	Recon All Images	On	Preserve	0
	# Synthetic b-values	1	<b>CONTRAST</b>	
	Synthetic b-value	1000.0;	Contrast Yes/No	No

Protocol: adult\_other\_ADRC\_CORE-(10-11-2018)

CUBE T2 HR >75	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>			
	Patient Entry	Head First	Imaging Mode	3D		
	Patient Position	Supine	Pulse Sequence	Cube		
	Coil Configuration	GE48chHeadAnt;GE48chHeadPos	Imaging Options	FC, Gat, EDR, Fast, ZIP512, ZIP2, FR, ARC, HS		
	Plane	SAGITTAL	Phase	2.00		
	Series Description	CUBE T2 HR >75	Slice	2.00		
	<b>SCAN TIMING</b>		HyperSense	1.50		
	TE	Maximum	<b>SCAN RANGE</b>			
	Number of Echoes	1	FOV	25.6		
	Echo Train Length	100	Slice Thickness	1.6		
	Receiver Bandwidth	31.25	Location per Slab	128		
	<b>IMAGE ENHANCE</b>		Overlap Locations	0		
<b>ACQ TIMING</b>						
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						
<b>USER CVS</b>						
User CV5 1.00 User CV29 1.00 User CV30 1.00 User CV41 5.00 User CV Mask2 512						
<b>MULTI-PHASE</b>						
Separate Series 0 Inter-Delay Minimum Mask Phase 0 Mask Pause 0 Preserve 0						
<b>DIFFUSION</b>						
Recon All Images On # Synthetic b-values 1 Synthetic b-value 1000.0;						
<b>CONTRAST</b>						
Contrast Yes/No No						
CUBE T2 HR >75						

**Protocol: adult\_other\_ADRC\_CORE-(10-11-2018)**

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	
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		MULTI-PHASE	
		Separate Series	0
		Mask Phase	0
		Mask Pause	0
		Preserve	0
DIFFUSION		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	
		Contrast Yes/No	No

CUBE T2 Ungated

CUBE T2 Ungated