

3Plane Loc SSFSE	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	HNS Head/Neck/Chest	Imaging Options	Seq, EDR, Fast, SS, ARC
	Plane	3-PLANE	<b>SCAN RANGE</b>	
	Series Description	3Plane Loc SSFSE	FOV	26.0
	<b>SCAN TIMING</b>		Slice Thickness	7.0
	TE	80.0	Slice Spacing	0.0
	TR	Minimum	<b>ACQ TIMING</b>	
	Receiver Bandwidth	83.33	Freq	256
	<b>IMAGE ENHANCE</b>		Phase	128
	Filter Choice	None	Freq DIR	Unswap
	<b>GATING/TRIGGER</b>		# of Acq. Before Pause	0
	Auto Trigger Type	Off	Phase FOV	1.00
	<b>FMRI</b>		Auto Shim	Auto
	PSD Trigger	Internal	Phase Correction	No
	Slice Order	Interleaved	<b>USER CVS</b>	
	View Order	Bottom/Up	User CV1	1.00
	# of Repetitions REST	0	User CV2	240.00
	# of Repetitions ACTIVE	0	User CV13	1.00
	<b>SAT</b>		<b>MULTI-PHASE</b>	
	Tag Type	None	Seperate Series	0
	<b>TRICKS</b>		Mask Phase	0
	Pause On/Off	On	Mask Pause	0
	Auto Subtract	0	<b>DIFFUSION</b>	
	Auto SCIC	Off	Recon All Images	On
	<b>OTHERS</b>		<b>CONTRAST</b>	
	Protocol Notes	LOCALISER MUST BE SSFSE SEQUENCE AND AT LEAST 15 SECONDS LONG IN ORDER FOR SYSTEM TO COMPENSATE FOR PATIENT BODY HABITUS.		Contrast Yes/No

3Plane Loc SSFSE

OSag 3D T1	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	SPGR
	Coil Configuration	HNS Head/Neck/Chest	Imaging Options	EDR, Fast, IrP, Asset
	Plane	OBLIQUE	<b>SCAN RANGE</b>	
	Series Description	OSag 3D T1	FOV	25.6
	<b>SCAN TIMING</b>		Slice Thickness	1.0
	Flip Angle	11	Location per Slab	180
	TE	Min Full	Overlap Locations	0
	TI	400	<b>ACQ TIMING</b>	
	Receiver Bandwidth	31.25	Freq	256
	<b>IMAGE ENHANCE</b>		Phase	256
	Filter Choice	None	Freq DIR	Unswap
	<b>GATING/TRIGGER</b>		NEX	1.00
	Auto Trigger Type	Off	Phase FOV	1.00
	<b>FMRI</b>		Auto Shim	Auto
	PSD Trigger	Internal	Phase Correction	No
	Slice Order	Interleaved	<b>USER CVS</b>	
	View Order	Bottom/Up	User CV6	1.00
	# of Repetitions REST	0	User CV23	100.00
	# of Repetitions ACTIVE	0	<b>MULTI-PHASE</b>	
	<b>DIFFUSION</b>		Seperate Series	0
	Recon All Images	On	Mask Phase	0
	<b>CONTRAST</b>		Mask Pause	0
	Contrast Yes/No	No	<b>TRICKS</b>	
		Pause On/Off	On	
		Auto Subtract	0	
		Auto SCIC	Off	
		<b>OTHERS</b>		
		Protocol Notes	Slight obliquity of volume is allowed to compensate for head tilt of participant. Align with interhemispheric fissure. Prescribe slices left to right. Whole brain coverage. Additional slices can be added if needed for coverage. Note on Scan Transmittal Form. Include nose and posterior cortical bone to avoid wrap	

OSag 3D T1

OAx PD/T2 FSE	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	HNS Head/Neck/Chest	Imaging Options	EDR, Fast, Asset
	Plane	OBLIQUE	<b>SCAN RANGE</b>	
	Series Description	OAx PD/T2 FSE	FOV	24.0
	<b>SCAN TIMING</b>		Slice Thickness	3.0
	Flip Angle	125	Slice Spacing	0.0
	TE	Min Full	<b>ACQ TIMING</b>	
	TE2	85.0	Freq	256
	Number of Echoes	2	Phase	256
	TR	3000.0	Freq DIR	A/P
	Echo Train Length	12	Fat Shift DIR	Normal (A)
	Receiver Bandwidth	19.23	NEX	1.00
	<b>IMAGE ENHANCE</b>		# of Acq. Before Pause	0
	Filter Choice	None	Phase FOV	0.75
	<b>GATING/TRIGGER</b>		Auto Shim	Auto
	Auto Trigger Type	Off	Phase Correction	No
	<b>FMRI</b>		<b>USER CVS</b>	
	PSD Trigger	Internal	User CV19	1.00
	Slice Order	Interleaved	User CV22	1.00
	View Order	Bottom/Up	<b>MULTI-PHASE</b>	
	# of Repetitions REST	0	Seperate Series	0
	# of Repetitions ACTIVE	0	Mask Phase	0
	<b>SAT</b>		Mask Pause	0
Tag Type	None	<b>DIFFUSION</b>		
Fat/Water Saturation	Fat Classic	Recon All Images	On	
<b>TRICKS</b>		<b>CONTRAST</b>		
Pause On/Off	On	Contrast Yes/No	No	
Auto Subtract	0			
Auto SCIC	Off			
<b>OTHERS</b>				
Protocol Notes	<p>Use 3D T1 for position this and all following series. Cover whole brain including cerebellum to vertex of the brain and cortical skull. Add slices if needed, and note on Scan Transmittal Form. Align with inferior border of the genu and splenium of the corpus callosum, and interhemispheric cerebral fissure. Copy angulation for subsequent sequences (Except ASL).</p>			

OAx PD/T2 FSE

OAx T2 FLAIR	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	T2flair
	Coil Configuration	HNS Head/Neck/Chest	Imaging Options	TRF, Fast
	Plane	OBLIQUE	<b>SCAN RANGE</b>	
	Series Description	OAx T2 FLAIR	FOV	24.0
	<b>SCAN TIMING</b>		Slice Thickness	3.0
	Flip Angle	125	Slice Spacing	0.0
	TE	140.0	<b>ACQ TIMING</b>	
	TR	9000.0	Freq	256
	TI	2250	Phase	256
	Receiver Bandwidth	27.78	Freq DIR	A/P
	<b>IMAGE ENHANCE</b>		Fat Shift DIR	Normal (A)
	Filter Choice	None	NEX	1.00
	<b>GATING/TRIGGER</b>		Auto Shim	Off
	Auto Trigger Type	Off	Phase Correction	No
	<b>FMRI</b>		<b>USER CVS</b>	
	PSD Trigger	Internal	User CV3	2.00
	Slice Order	Interleaved	User CV22	1.00
	View Order	Bottom/Up	<b>MULTI-PHASE</b>	
	# of Repetitions REST	0	Seperate Series	0
	# of Repetitions ACTIVE	0	Mask Phase	0
	<b>SAT</b>		Mask Pause	0
	SAT Location	I	<b>DIFFUSION</b>	
	Tag Type	<del>None</del> Fat Classic	Recon All Images	On
<b>TRICKS</b>		<b>CONTRAST</b>		
Pause On/Off	On	Contrast Yes/No	No	
Auto Subtract	0			
Auto SCIC	Off			
<b>OTHERS</b>				
Protocol Notes	Copy Rx from PD/T2 Do not adjust number of slices			

OAx T2 FLAIR

<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	SPGR
Coil Configuration	HNS Head/Neck/Chest	Imaging Options	Fast, Asset
Plane	OBLIQUE	<b>SCAN RANGE</b>	
Series Description	OAx T2* GRE	FOV	24.0
<b>SCAN TIMING</b>		Slice Thickness	3.0
Flip Angle	20	Slice Spacing	0.0
TE	14.9	<b>ACQ TIMING</b>	
Number of Echoes	1	Freq	256
TR	650.0	Phase	256
Receiver Bandwidth	19.23	Freq DIR	A/P
<b>IMAGE ENHANCE</b>		NEX	1.00
Filter Choice	None	# of Acq. Before Pause	0
<b>GATING/TRIGGER</b>		Phase FOV	0.75
Auto Trigger Type	Off	Auto Shim	Auto
<b>MULTI-PHASE</b>		Phase Correction	No
Seperate Series	0	<b>FMRI</b>	
Mask Phase	0	PSD Trigger	Internal
Mask Pause	0	Slice Order	Interleaved
<b>DIFFUSION</b>		View Order	Bottom/Up
Recon All Images	On	# of Repetitions REST	0
<b>CONTRAST</b>		# of Repetitions ACTIVE	0
Contrast Yes/No	No	<b>SAT</b>	
		Tag Type	None
		<b>TRICKS</b>	
		Pause On/Off	On
		Auto Subtract	0
		Auto SCIC	Off
		<b>OTHERS</b>	
		Protocol Notes	<p>Copy Rx from PD/T2                      This sequence should save both magnitude and phase images.                      Change Display CVs:                      act_te=20000                      rhrcctrl=19                      To change Display CVS:                      1. Click on the arrow beside Scan on the scan button.                      Select Research Download.                      2. Click on the same arrow again and select Display CVs                      3. In the first line type the variable name eg. act_te;                      hit enter                      4. On the active line, type the value after the equals sign.                      Variable names are case sensitive.</p>

OAx T2\* GRE

OAx T2\* GRE

OAx DTI 2iso	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	HNS Head/Neck/Chest	Imaging Options	EPI, DIFF, Asset
	Plane	OBLIQUE	<b>SCAN RANGE</b>	
	Series Description	OAx DTI 2iso	FOV	25.6
	<b>SCAN TIMING</b>		Slice Thickness	2.0
	TE	Minimum	Slice Spacing	0.0
	TR	9000.0	<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	Auto
	<b>FMRI</b>		Phase Correction	Yes
	PSD Trigger	Internal	<b>USER CVS</b>	
	Slice Order	Interleaved	User CV5	1.00
	View Order	Bottom/Up	User CV17	1.00
	# of Repetitions REST	0	<b>MULTI-PHASE</b>	
	# of Repetitions ACTIVE	0	Seperate Series	0
	<b>SAT</b>		Mask Phase	0
	Tag Type	None	Mask Pause	0
	Fat/Water Saturation	Fat	<b>DIFFUSION</b>	
	<b>TRICKS</b>		Optimized TE	Yes
	Pause On/Off	On	Diffusion Directions	Tensor
	Auto Subtract	0	Number of Diffusion Directions	30
	Auto SCIC	Off	Number of T2 Images	3
	<b>OTHERS</b>		Dual Spin Echo	On
Protocol Notes	Copy Rx from PD/T2 Manually set reconstruction to 128 x 128. Save Rx Research - Download Research - Display CVs rhimsize = 128 Do not adjust TR	Diffusion Tenser Processing Output	No Selection	
		Recon All Images	Off	
		<b>CONTRAST</b>		
		Contrast Yes/No	No	

OAx DTI 2iso

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	HNS Head/Neck/Chest	Imaging Options	EPI, FMRI
Plane	OBLIQUE	<b>SCAN RANGE</b>	
Series Description	OAx Connectivity	FOV	22.4
<b>SCAN TIMING</b>		Slice Thickness	3.5
Flip Angle	70	Slice Spacing	0.0
TE	30.0	<b>ACQ TIMING</b>	
TR	2500.0	Freq	64
Number of Shots	1	Phase	64
<b>IMAGE ENHANCE</b>		Freq DIR	R/L
Filter Choice	None	NEX	1.00
<b>GATING/TRIGGER</b>		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
<b>FMRI</b>		Phase Correction	Yes
Brain Wave Real Time	1	<b>USER CVS</b>	
Paradigm String	RESTING-TR2000-SL30-PH110	User CV0	1.00
Paradigm UID	1.2.840.113819.3.69129719 458.1302532670.915	<b>MULTI-PHASE</b>	
Initial State	Control	Slice per Location	250
PSD Trigger	Internal	Delay after Acquisition	0
Slice Order	Interleaved	Separate Series	0
View Order	Bottom/Up	Delay after Acquisition without AV	0
# of Repetitions REST	8	Mask Phase	0
# of Repetitions ACTIVE	8	Mask Pause	0
# of Dummy Acquisition	5	<b>DIFFUSION</b>	
<b>SAT</b>		Recon All Images	On
Tag Type	None	<b>CONTRAST</b>	
Fat/Water Saturation	Fat	Contrast Yes/No	No
<b>TRICKS</b>			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	Off		
<b>OTHERS</b>			
Protocol Notes	<p>Do not increase number of slices above 40.                      Ensure frequency direction is R/L                      Instructions to participant:                      " Stay awake, focus on a point, try not to think of anything in particular and keep your eyes open                      .                      If available, a fixation cross can be used.</p>		

OAx Connectivity

OAx Connectivity

Protocol: adult\_head\_COMPASS-ND\_20161116172703266\_3

3D ASL 512x8 3.5mm del 2025	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	3DASL
	Plane	AXIAL	Imaging Options	EDR, Fast, Spiral
	Series Description	3D ASL 512x8 3.5mm del 2025	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	22.8
	Receiver Bandwidth	62.50	Slice Thickness	3.5
	<b>IMAGE ENHANCE</b>		<b>ACQ TIMING</b>	
	Filter Choice	None	Freq	512
	<b>GATING/TRIGGER</b>		Phase	8
	Auto Trigger Type	Off	Freq DIR	A/P
	<b>MULTI-PHASE</b>		NEX	4.00
	Seperate Series	0	Auto Shim	Auto
	Delay after Acquisition without AV	0	Phase Correction	No
	Mask Phase	0	<b>FMRI</b>	
	Mask Pause	0	PSD Trigger	Internal
	<b>TRICKS</b>		Slice Order	Interleaved
	Pause On/Off	On	View Order	Bottom/Up
	Auto Subtract	0	# of Repetitions REST	0
	Auto SCIC	Off	# of Repetitions ACTIVE	0
	<b>OTHERS</b>		<b>DIFFUSION</b>	
	Protocol Notes	<i>Tips:                      -When prescribing the 3D slab, the bottom of the slab should be positioned at the bottom of the cerebellum</i>		
			<b>CONTRAST</b>	
			Recon All Images	On
			Contrast Yes/No	No

3D ASL 512x8 3.5mm del 2025