

McLeod Pavilion

Protocol: adult_head_Brain routine w/wo

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	48Ch Head Coil	Imaging Options	Seq, EDR, TRF, Fast, SS, ARC
Plane	3-PLANE	SCAN RANGE	
Series Description	3-Plane Localizer	FOV	30.0
SCAN TIMING		Slice Thickness	10.0
TE	80.0	Slice Spacing	5.0
Number of Echoes	1	ACQ TIMING	
TR	1200.0	Freq	256
Receiver Bandwidth	83.33	Phase	128
IMAGE ENHANCE		Freq DIR	Unswap
Filter Choice	None	# of Acq. Before Pause	0
GATING/TRIGGER		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
FMRI		Phase Correction	No
PSD Trigger	Internal	USER CVS	
View Order	Bottom/Up	User CV1	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	Off	Contrast Yes/No	No

3-Plane Localizer

3-Plane Localizer

McLeod Pavilion

Protocol: adult_head_Brain routine w/wo

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	48Ch Head Coil	Imaging Options	EDR, EPI, DIFF, Asset
Plane	OBLIQUE	SCAN RANGE	
Series Description	Ax DWI ALL B-1000	FOV	24.0
SCAN TIMING		Slice Thickness	4.0
TE	Minimum	Slice Spacing	0.4
Number of Echoes	1	ACQ TIMING	
TR	9450.0	Freq	120
Number of Shots	1	Phase	180
IMAGE ENHANCE		Freq DIR	R/L
Filter Choice	None	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	Yes
FMRI		USER CVS	
PSD Trigger	Internal	User CV0	1.00
View Order	Bottom/Up	User CV5	1.00
# of Repetitions REST	0	User CV7	1.00
# of Repetitions ACTIVE	0	User CV17	1.00
SAT		User CV18	1.00
Tag Type	None	TR Min	2000.0
Fat/Water Saturation	Fat	TR Max	17000.0
TRICKS		MULTI-PHASE	
Pause On/Off	On	Seperate Series	0
Auto Subtract	0	Mask Phase	0
Auto SCIC	2	Mask Pause	0
		DIFFUSION	
		Optimized TE	Yes
		Diffusion Directions	All
		Number of Diffusion Directions	3
		Number of T2 Images	1
		Dual Spin Echo	Off
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No

Ax DWI ALL B-1000

Ax DWI ALL B-1000

McLeod Pavilion

Protocol: adult_head_Brain routine w/wo

3D Ax T1 BRAVO	PATIENT POSITION		IMAGING PARAMETERS		3D Ax T1 BRAVO
	Patient Entry	Head First	Imaging Mode	3D	
	Patient Position	Supine	Pulse Sequence	BRAVO	
	Coil Configuration	48Ch Head Coil	Imaging Options	EDR, Fast, ZIP512, ZIP2, ARC, IrP	
	Plane	AXIAL	SCAN RANGE		
	Series Description	3D Ax T1 BRAVO	FOV	24.0	
	SCAN TIMING		Slice Thickness	1.2	
	Flip Angle	12	Location per Slab	130	
	Number of Echoes	1	Overlap Locations	0	
	TI	450	ACQ TIMING		
	Receiver Bandwidth	31.25	Freq	256	
	IMAGE ENHANCE		Phase	256	
	Filter Choice	G	Freq DIR	A/P	
	GATING/TRIGGER		NEX	1.00	
	Auto Trigger Type	Off	Phase FOV	1.00	
	MULTI-PHASE		Auto Shim	Auto	
	Seperate Series	0	Phase Correction	No	
	Trigger Delay without AV	0	FMRI		
	Mask Phase	0	PSD Trigger	Internal	
	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	2		

McLeod Pavilion

Protocol: adult_head_Brain routine w/wo

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	48Ch Head Coil	Imaging Options	EDR
Plane	OBLIQUE	SCAN RANGE	
Series Description	Ax T2* GRE	FOV	24.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	15	Slice Spacing	1.5
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	256
TR	509.0	Phase	160
Receiver Bandwidth	20.83	Freq DIR	A/P
IMAGE ENHANCE		NEX	2.00
Filter Choice	None	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
MULTI-PHASE		FMRI	
Seperate Series	0	PSD Trigger	Internal
Mask Phase	0	Slice Order	Interleaved
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	On

Ax T2* GRE

Ax T2* GRE

McLeod Pavilion

Protocol: adult_head_Brain routine w/wo

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	48Ch Head Coil	Imaging Options	EDR, TRF, Fast, ARC, T2flair
Plane	OBLIQUE		
Series Description	Ax T2 FLAIR		
SCAN TIMING		SCAN RANGE	
Flip Angle	160	FOV	24.0
TE	140.0	Slice Thickness	4.0
Number of Echoes	1	Slice Spacing	1.5
TR	12000.0		
TI	2711	ACQ TIMING	
Echo Train Length	21	Freq	260
Receiver Bandwidth	41.67	Phase	224
IMAGE ENHANCE		Freq DIR	A/P
Filter Choice	A	Fat Shift DIR	Normal (A)
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	USER CVS	
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	MULTI-PHASE	
SAT		Seperate Series	0
Tag Type	None	Mask Phase	0
TRICKS		Mask Pause	0
Pause On/Off	On	DIFFUSION	
Auto Subtract	0	Recon All Images	On
Auto SCIC	2	CONTRAST	
		Contrast Yes/No	No

Ax T2 FLAIR

Ax T2 FLAIR

McLeod Pavilion

Protocol: adult_head_Brain routine w/wo

Ax T2 PROPELLER	PATIENT POSITION		IMAGING PARAMETERS		Ax T2 PROPELLER
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	PROPELLER	
	Coil Configuration	48Ch Head Coil	Imaging Options	EDR, TRF, Fast, ARC	
	Plane	OBLIQUE	SCAN RANGE		
	Series Description	Ax T2 PROPELLER	FOV	24.0	
	SCAN TIMING		Slice Thickness	4.0	
	Flip Angle	142	Slice Spacing	1.5	
	Number of Echoes	1	ACQ TIMING		
	TR	7007.0	Freq	340	
	Echo Train Length	32	Freq DIR	A/P	
	Receiver Bandwidth	50.00	Fat Shift DIR	Normal (A)	
	IMAGE ENHANCE		NEX	2.00	
	Filter Choice	F	Auto Shim	Auto	
	GATING/TRIGGER		Phase Correction	No	
	Auto Trigger Type	Off	USER CVS		
	FMRI		User CV5	1.00	
	PSD Trigger	Internal	TR Min	3000.0	
	View Order	Bottom/Up	TR Max	10000.0	
	# 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	2	Contrast Yes/No	No		

McLeod Pavilion

Protocol: adult_head_Brain routine w/wo

--Contrast--	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	48Ch Head Coil	Imaging Options	Seq, EDR, TRF, Fast, SS, ARC
	Plane	3-PLANE	SCAN RANGE	
	Series Description	--Contrast--	FOV	30.0
	SCAN TIMING		Slice Thickness	10.0
	TE	80.0	Slice Spacing	5.0
	Number of Echoes	1	ACQ TIMING	
	TR	1200.0	Freq	256
	Receiver Bandwidth	83.33	Phase	128
	IMAGE ENHANCE		Freq DIR	Unswap
	Filter Choice	None	# of Acq. Before Pause	0
	GATING/TRIGGER		Phase FOV	1.00
	Auto Trigger Type	Off	Auto Shim	Auto
	FMRI		Phase Correction	No
	PSD Trigger	Internal	USER CVS	
	View Order	Bottom/Up	User CV1	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	Off	Contrast Yes/No	No	

--Contrast--

McLeod Pavilion

Protocol: adult_head_Brain routine w/wo

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	SPGR
Coil Configuration	48Ch Head Coil	Imaging Options	EDR, Fast, ZIP512, ZIP2, Asset, IrP
Plane	OBLIQUE	SCAN RANGE	
Series Description	+ C 3D Ax T1 FSPGR	FOV	25.6
SCAN TIMING		Slice Thickness	1.2
Flip Angle	12	Location per Slab	130
TE	In Phase	Overlap Locations	0
Number of Echoes	1	ACQ TIMING	
TI	450	Freq	256
Receiver Bandwidth	41.67	Phase	256
IMAGE ENHANCE		Freq DIR	Unswap
Filter Choice	G	NEX	1.00
GATING/TRIGGER		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
FMRI		Phase Correction	No
Initial State	Control	USER CVS	
PSD Trigger	Internal	User CV6	2.00
View Order	Bottom/Up	User CV23	90.00
# of Repetitions REST	0	MULTI-PHASE	
# of Repetitions ACTIVE	0	Seperate Series	0
DIFFUSION		Trigger Delay without AV	0
Recon All Images	On	Mask Phase	0
CONTRAST		Mask Pause	0
Contrast Yes/No	Yes	TRICKS	
		Pause On/Off	On
		Auto Subtract	0
		Auto SCIC	2

+ C 3D Ax T1 FSPGR

+ C 3D Ax T1 FSPGR

Protocol: adult_head_Brain routine w/wo

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	48Ch Head Coil	Imaging Options	EDR, TRF, Fast
Plane	OBLIQUE	SCAN RANGE	
Series Description	+C Ax T1 FSE	FOV	24.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	111	Slice Spacing	1.5
TE	11.0	ACQ TIMING	
Number of Echoes	1	Freq	256
TR	750.0	Phase	192
Echo Train Length	3	Freq DIR	A/P
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (A)
IMAGE ENHANCE		NEX	1.00
Filter Choice	G	# of Acq. Before Pause	0
GATING/TRIGGER		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
FMRI		Phase Correction	Yes
PSD Trigger	Internal	USER CVS	
View Order	Bottom/Up	User CV16	1.00
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	TR Min	750.0
SAT		TR Max	950.0
SAT Location	I	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	2	Recon All Images	On
		CONTRAST	
		Contrast Yes/No	Yes

+C Ax T1 FSE

+C Ax T1 FSE