

McLeod Pavilion

Protocol: adult_head_IACS

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	1000.0	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_IACS

Sag T2 PROPELLER	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	PROPELLER
	Coil Configuration	48Ch Head Coil;Head;Neck	Imaging Options	EDR, TRF, Fast, ARC
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Sag T2 PROPELLER	FOV	24.0
	SCAN TIMING		Slice Thickness	5.0
	Flip Angle	142	Slice Spacing	1.5
	Number of Echoes	1	ACQ TIMING	
	TR	5147.0	Freq	320
	Echo Train Length	32	Freq DIR	S/I
	Receiver Bandwidth	50.00	Fat Shift DIR	Normal (S)
	IMAGE ENHANCE		NEX	1.50
	Filter Choice	None	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	

Sag T2 PROPELLER

McLeod Pavilion

Protocol: adult_head_IACS

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_IACS

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	48Ch Head Coil;Head;Neck	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	380
TR	334.0	Phase	192
Receiver Bandwidth	27.78	Freq DIR	A/P
IMAGE ENHANCE		NEX	2.00
Filter Choice	G	Phase FOV	0.75
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
FMRI		USER CVS	
PSD Trigger	Internal	TR Min	200.0
Slice Order	Interleaved	TR Max	11000.0
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	DIFFUSION	
TRICKS		Recon All Images	On
Pause On/Off	On	CONTRAST	
Auto Subtract	0	Contrast Yes/No	No
Auto SCIC	On		

Ax T2* GRE

Ax T2* GRE

McLeod Pavilion

Protocol: adult_head_IACS

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	48Ch Head Coil;Head;Neck	Imaging Options	EDR, TRF, Fast, ARC, T2flair
Plane	OBLIQUE	SCAN RANGE	
Series Description	Ax T2 FLAIR	FOV	24.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	160	Slice Spacing	1.5
TE	140.0	ACQ TIMING	
Number of Echoes	1	Freq	260
TR	12000.0	Phase	200
TI	2711	Freq DIR	A/P
Echo Train Length	21	Fat Shift DIR	Normal (A)
Receiver Bandwidth	41.67	NEX	1.00
IMAGE ENHANCE		Phase FOV	0.75
Filter Choice	A	Auto Shim	On
GATING/TRIGGER		Phase Correction	No
Auto Trigger Type	Off	USER CVS	
FMRI		User CV22	1.00
PSD Trigger	Internal	MULTI-PHASE	
Slice Order	Interleaved	Seperate Series	0
View Order	Bottom/Up	Mask Phase	0
# of Repetitions REST	0	Mask Pause	0
# of Repetitions ACTIVE	0	DIFFUSION	
SAT		Recon All Images	On
Tag Type	None	CONTRAST	
TRICKS		Contrast Yes/No	No
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	2		

Ax T2 FLAIR

Ax T2 FLAIR

McLeod Pavilion

Protocol: adult_head_IACS

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	48Ch Head Coil;Head;Neck	Imaging Options	EDR, TRF, Fast
Plane	OBLIQUE	SCAN RANGE	
Series Description	Ax T1 FSE Optimized	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	320
TR	803.0	Phase	260
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	0.75
Auto Trigger Type	Off	Auto Shim	Auto
FMRI		Phase Correction	Yes
PSD Trigger	Internal	USER CVS	
Slice Order	Interleaved	User CV16	1.00
View Order	Bottom/Up	User CV22	1.00
# of Repetitions REST	0	TR Min	750.0
# of Repetitions ACTIVE	0	TR Max	950.0
SAT		MULTI-PHASE	
SAT Location	I	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 T1 FSE Optimized

Ax T1 FSE Optimized

Protocol: adult_head_IACS

3D Ax FIESTA-C	PATIENT POSITION		IMAGING PARAMETERS		3D Ax FIESTA-C
	Patient Entry	Head First	Imaging Mode	3D	
	Patient Position	Supine	Pulse Sequence	Fiesta-C	
	Coil Configuration	48Ch Head Coil;Head;Neck	Imaging Options	EDR, Fast, ZIP2, ARC	
	Plane	OBLIQUE	SCAN RANGE		
	Series Description	3D Ax FIESTA-C	FOV	18.0	
	SCAN TIMING		Slice Thickness	1.0	
	Flip Angle	55	Location per Slab	52	
	TE	Minimum	Overlap Locations	0	
	Number of Echoes	1	ACQ TIMING		
	Receiver Bandwidth	62.50	Freq	260	
	IMAGE ENHANCE		Phase	260	
	Filter Choice	F	Freq DIR	A/P	
	GATING/TRIGGER		NEX	2.00	
	Auto Trigger Type	Off	Phase FOV	0.80	
	FMRI		Auto Shim	Auto	
	PSD Trigger	Internal	Phase Correction	No	
	View Order	Bottom/Up	USER CVS		
	# of Repetitions REST	0	User CV5	1.00	
	# of Repetitions ACTIVE	0	User CV16	2.00	
	DIFFUSION		User CV23	95.00	
	Recon All Images	On	MULTI-PHASE		
	CONTRAST		Seperate Series	0	
	Contrast Yes/No	No	Mask Phase	0	
			Mask Pause	0	
		TRICKS			
		Pause On/Off	On		
		Auto Subtract	0		
		Auto SCIC	On		

Protocol: adult_head_IACS

+C Ax T1 FSE Optimized	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	48Ch Head Coil;Head;Neck	Imaging Options	EDR, TRF, Fast
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	+C Ax T1 FSE Optimized	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	320
	TR	750.0	Phase	260
	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	0.75
	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 Optimized

McLeod Pavilion

Protocol: adult_head_IACS

+ C 3D Ax T1 FSPGR	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	SPGR
	Coil Configuration	48Ch Head Coil;Head;Neck	Imaging Options	EDR, Fast, ZIP512, ZIP2, Asset, IrP
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	+ C 3D Ax T1 FSPGR	FOV	24.0
	SCAN TIMING		Slice Thickness	1.2
	Flip Angle	12	Location per Slab	130
	TE	Min Full	Overlap Locations	0
	Number of Echoes	1	ACQ TIMING	
	TI	450	Freq	256
	Receiver Bandwidth	31.25	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