

McLeod Pavilion

Protocol: adult_head_BRAIN PARKINSONS

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 PARKINSONS

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	7419.0	Freq	120
Number of Shots	1	Phase	160
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 CV17	1.00
# of Repetitions ACTIVE	0	TR Min	2000.0
SAT		TR Max	17000.0
Tag Type	None	MULTI-PHASE	
TRICKS		Seperate Series	0
Pause On/Off	On	Mask Phase	0
Auto Subtract	0	Mask Pause	0
Auto SCIC	2	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

Protocol: adult_head_BRAIN PARKINSONS

Ax T2* GRE	PATIENT POSITION		IMAGING PARAMETERS		Ax T2* GRE
	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		

McLeod Pavilion

Protocol: adult_head_BRAIN PARKINSONS

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 PARKINSONS

PATIENT POSITION		IMAGING PARAMETERS	
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

Ax T2 PROPELLER

Ax T2 PROPELLER

McLeod Pavilion

Protocol: adult_head_BRAIN PARKINSONS

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		
Series Description	3D Ax T1 FSPGR		
SCAN TIMING		SCAN RANGE	
Flip Angle	12	FOV	24.0
TE	Min Full	Slice Thickness	1.2
Number of Echoes	1	Location per Slab	130
TI	450	Overlap Locations	0
Receiver Bandwidth	31.25		
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	G	Freq	256
		Phase	256
		Freq DIR	A/P
		NEX	1.00
		Phase FOV	1.00
		Auto Shim	Auto
		Phase Correction	No
GATING/TRIGGER		USER CVS	
Auto Trigger Type	Off	User CV6	2.00
		User CV23	90.00
FMRI		MULTI-PHASE	
Initial State	Control	Seperate Series	0
PSD Trigger	Internal	Trigger Delay without AV	0
View Order	Bottom/Up	Mask Phase	0
# of Repetitions REST	0	Mask Pause	0
# of Repetitions ACTIVE	0		
SAT		DIFFUSION	
Tag Type	None	Recon All Images	On
TRICKS		CONTRAST	
Pause On/Off	On	Contrast Yes/No	No
Auto Subtract	0		
Auto SCIC	2		

3D Ax T1 FSPGR

3D Ax T1 FSPGR

Protocol: adult_head_BRAIN PARKINSONS

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	SWAN
Coil Configuration	Head;Neck	Imaging Options	FC, Fast, ZIP2, Asset
Plane	AXIAL	SCAN RANGE	
Series Description	3D Ax SWAN	FOV	20.0
SCAN TIMING		Slice Thickness	2.0
Flip Angle	15	Location per Slab	50
TE	24.4	Overlap Locations	0
Number of Echoes	6	ACQ TIMING	
TR	Minimum	Freq	300
Receiver Bandwidth	62.50	Phase	300
IMAGE ENHANCE		Freq DIR	A/P
Filter Choice	A	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
FMRI		USER CVS	
PSD Trigger	Internal	User CV22	1.00
Slice Order	Interleaved	MULTI-PHASE	
View Order	Bottom/Up	Seperate Series	0
# of Repetitions REST	0	Mask Phase	0
# of Repetitions ACTIVE	0	Mask Pause	0
SAT		DIFFUSION	
Tag Type	None	Recon All Images	On
TRICKS		CONTRAST	
Pause On/Off	On	Contrast Yes/No	No
Auto Subtract	0		
Auto SCIC	2		

3D Ax SWAN

3D Ax SWAN