

McLeod Pavilion

Protocol: adult_neck_Routine Neck Soft Tissue

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	Head;Neck	Imaging Options	Seq, EDR, Fast, SS, FR, ARC
Plane	3-PLANE	SCAN RANGE	
Series Description	3 Plane Loc SSFSE	FOV	36.0
SCAN TIMING		Slice Thickness	10.0
TE	80.0	Slice Spacing	15.0
Number of Echoes	1	ACQ TIMING	
TR	Minimum	Freq	384
Receiver Bandwidth	83.33	Phase	160
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 CV2	240.00
# of Repetitions REST	0	User CV13	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	Off	CONTRAST	
		Contrast Yes/No	No

3 Plane Loc SSFSE

3 Plane Loc SSFSE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Head;Neck	Imaging Options	NPW, EDR, TRF, Fast, ARC
Plane	OBLIQUE	SCAN RANGE	
Series Description	Sag T1 FSE	FOV	25.0
SCAN TIMING		Slice Thickness	3.0
Flip Angle	111	Slice Spacing	0.5
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	352
TR	780.0	Phase	224
Echo Train Length	4	Freq DIR	S/I
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (S)
IMAGE ENHANCE		NEX	2.00
Filter Choice	A	Auto Shim	Auto
GATING/TRIGGER		Phase Correction	Yes
Auto Trigger Type	Off	USER CVS	
FMRI		User CV7	1.00
PSD Trigger	Internal	User CV15	2.00
View Order	Bottom/Up	User CV17	1.00
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	TR Min	500.0
SAT		TR Max	850.0
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	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No

Sag T1 FSE

Sag T1 FSE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Head;Neck	Imaging Options	NPW, EDR, TRF, Fast, FR, ARC, Flex
Plane	OBLIQUE	IDEAL	3
Series Description	Sag T2 FSE FLEX		
SCAN TIMING		SCAN RANGE	
Flip Angle	111	FOV	25.0
TE	80.0	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	0.5
TR	3517.0		
Echo Train Length	16	ACQ TIMING	
Receiver Bandwidth	100.00	Freq	320
		Phase	224
IMAGE ENHANCE		Freq DIR	Unswap
Filter Choice	A	Fat Shift DIR	Normal
GATING/TRIGGER		NEX	2.00
Auto Trigger Type	Off	Auto Shim	Auto
		Phase Correction	No
FMRI		USER CVS	
PSD Trigger	Internal	User CV15	2.00
View Order	Bottom/Up	User CV18	1.00
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	TR Min	2000.0
		TR Max	10000.0
SAT		MULTI-PHASE	
Tag Type	None	Seperate Series	0
TRICKS		Mask Phase	0
Pause On/Off	On	Mask Pause	0
Auto Subtract	0		
Auto SCIC	2	DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No

Sag T2 FSE FLEX

Sag T2 FSE FLEX

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Head;Neck	Imaging Options	FC, EDR, TRF, Fast, ARC, Flex
Plane	AXIAL	IDEAL	7
Series Description	Ax T1 FSE FLEX		
SCAN TIMING		SCAN RANGE	
Flip Angle	111	FOV	20.0
TE	Min Full	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	0.5
TR	677.0		
Echo Train Length	4	ACQ TIMING	
Receiver Bandwidth	50.00	Freq	384
		Phase	224
IMAGE ENHANCE		Freq DIR	R/L
Filter Choice	A	Fat Shift DIR	Normal (L)
GATING/TRIGGER		NEX	2.00
Auto Trigger Type	Off	# of Acq. Before Pause	0
FMRI		Phase FOV	1.00
PSD Trigger	Internal	Auto Shim	Auto
View Order	Bottom/Up	Phase Correction	Yes
# of Repetitions REST	0	Flow Direction	Slice
# of Repetitions ACTIVE	0	Compensation	
SAT		USER CVS	
Tag Type	None	User CV15	2.00
		User CV21	1.00
TRICKS		User CV22	1.00
Pause On/Off	On	TR Min	550.0
Auto Subtract	0	TR Max	850.0
Auto SCIC	2	MULTI-PHASE	
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No

AX T1 FSE FLEX

AX T1 FSE FLEX

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Head;Neck	Imaging Options	NPW, EDR, TRF, Fast, FR, ARC, Flex
Plane	AXIAL	IDEAL	7
Series Description	Ax T2 FSE Flex		
SCAN TIMING		SCAN RANGE	
Flip Angle	111	FOV	18.0
TE	80.0	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	0.5
TR	7884.0		
Echo Train Length	16	ACQ TIMING	
Receiver Bandwidth	100.00	Freq	320
		Phase	224
IMAGE ENHANCE		Freq DIR	R/L
Filter Choice	A	Fat Shift DIR	Normal (L)
GATING/TRIGGER		NEX	2.00
Auto Trigger Type	Off	Auto Shim	Auto
		Phase Correction	No
FMRI		USER CVS	
PSD Trigger	Internal	User CV15	2.00
View Order	Bottom/Up	User CV22	1.00
# of Repetitions REST	0	TR Min	2000.0
# of Repetitions ACTIVE	0	TR Max	10000.0
SAT		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	No

Ax T2 FSE Flex

Ax T2 FSE Flex

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Head;Neck	Imaging Options	NPW, EDR, TRF, Fast, ARC
Plane	OBLIQUE	SCAN RANGE	
Series Description	Cor T1 FSE	FOV	25.0
SCAN TIMING		Slice Thickness	3.0
Flip Angle	111	Slice Spacing	0.5
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	352
TR	782.0	Phase	224
Echo Train Length	3	Freq DIR	S/I
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (I)
IMAGE ENHANCE		NEX	2.00
Filter Choice	A	Auto Shim	Auto
GATING/TRIGGER		Phase Correction	Yes
Auto Trigger Type	Off	USER CVS	
FMRI		User CV7	1.00
PSD Trigger	Internal	User CV15	2.00
View Order	Bottom/Up	User CV17	1.00
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	TR Min	400.0
SAT		TR Max	850.0
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	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No

Cor T1 FSE

Cor T1 FSE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Head;Neck	Imaging Options	NPW, EDR, TRF, Fast, FR, ARC, Flex
Plane	OBLIQUE	IDEAL	3
Series Description	Cor T2 FSE FLEX		
SCAN TIMING		SCAN RANGE	
Flip Angle	111	FOV	25.0
TE	80.0	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	0.5
TR	5861.0		
Echo Train Length	16	ACQ TIMING	
Receiver Bandwidth	100.00	Freq	320
		Phase	224
		Freq DIR	Unswap
		Fat Shift DIR	Normal
		NEX	2.00
		Auto Shim	Auto
		Phase Correction	No
IMAGE ENHANCE		USER CVS	
Filter Choice	A	User CV15	2.00
		User CV22	1.00
		TR Min	2000.0
		TR Max	10000.0
GATING/TRIGGER		MULTI-PHASE	
Auto Trigger Type	Off	Seperate Series	0
		Mask Phase	0
		Mask Pause	0
FMRI		DIFFUSION	
PSD Trigger	Internal	Recon All Images	On
View Order	Bottom/Up		
# of Repetitions REST	0	CONTRAST	
# of Repetitions ACTIVE	0	Contrast Yes/No	No
SAT			
Tag Type	None		
TRICKS			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	2		

Cor T2 FSE FLEX

Cor T2 FSE FLEX

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Head;Neck	Imaging Options	FC, Seq, EDR, TRF, Fast, ARC, IrP
Plane	OBLIQUE	PSD Name	frfse-xl
Series Description	Cor T2 FSE STIR (for comparison to flex)	SCAN RANGE	
SCAN TIMING		FOV	25.0
Flip Angle	142	Slice Thickness	3.0
TE	68.0	Slice Spacing	0.5
Number of Echoes	1	ACQ TIMING	
TR	11524.0	Freq	288
TI	180	Phase	192
Echo Train Length	11	Freq DIR	S/I
Receiver Bandwidth	50.00	Fat Shift DIR	Normal (S)
IMAGE ENHANCE		NEX	2.00
Filter Choice	G	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
FMRI		Flow Direction Compensation	Freq
PSD Trigger	Internal	USER CVS	
View Order	Bottom/Up	User CV22	1.00
# of Repetitions REST	0	TR Min	2000.0
# of Repetitions ACTIVE	0	TR Max	15000.0
SAT		MULTI-PHASE	
SAT Location	S	Seperate Series	0
SAT Location	I	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
OTHERS			
Protocol Notes	do on first couple to let rads compare to flex		

Cor T2 FSE STIR (for comparison to flex)

Cor T2 FSE STIR (for comparison to flex)

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Protocol: adult_neck_Routine Neck Soft Tissue

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	Head;Neck	Imaging Options	EDR, EPI, DIFF, Asset
Plane	OBLIQUE	SCAN RANGE	
Series Description	Ax DWI ALL B-1000	FOV	28.0
SCAN TIMING		Slice Thickness	4.0
TE	Minimum	Slice Spacing	0.4
Number of Echoes	1	ACQ TIMING	
TR	6951.0	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

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	Head;Neck	Imaging Options	Seq, EDR, Fast, SS, FR, ARC
Plane	3-PLANE		
Series Description	*CONTRAST*		
SCAN TIMING		SCAN RANGE	
TE	80.0	FOV	36.0
Number of Echoes	1	Slice Thickness	10.0
TR	Minimum	Slice Spacing	15.0
Receiver Bandwidth	83.33		
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	None	Freq	384
		Phase	160
GATING/TRIGGER		Freq DIR	Unswap
Auto Trigger Type	Off	# of Acq. Before Pause	0
		Phase FOV	1.00
FMRI		Auto Shim	Auto
PSD Trigger	Internal	Phase Correction	No
View Order	Bottom/Up	USER CVS	
# of Repetitions REST	0	User CV2	240.00
# of Repetitions ACTIVE	0	User CV13	1.00
SAT		MULTI-PHASE	
Tag Type	None	Seperate Series	0
		Mask Phase	0
TRICKS		Mask Pause	0
Pause On/Off	On	DIFFUSION	
Auto Subtract	0	Recon All Images	On
Auto SCIC	Off	CONTRAST	
		Contrast Yes/No	No

CONTRAST

CONTRAST

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Head;Neck	Imaging Options	FC, EDR, TRF, Fast, ARC, Flex
Plane	AXIAL	IDEAL	7
Series Description	+C Ax T1 FSE FLEX		
SCAN TIMING		SCAN RANGE	
Flip Angle	111	FOV	20.0
TE	Min Full	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	0.5
TR	677.0		
Echo Train Length	4	ACQ TIMING	
Receiver Bandwidth	50.00	Freq	384
		Phase	224
IMAGE ENHANCE		Freq DIR	R/L
Filter Choice	A	Fat Shift DIR	Normal (L)
GATING/TRIGGER		NEX	2.00
Auto Trigger Type	Off	# of Acq. Before Pause	0
FMRI		Phase FOV	1.00
PSD Trigger	Internal	Auto Shim	Auto
View Order	Bottom/Up	Phase Correction	Yes
# of Repetitions REST	0	Flow Direction	Slice
# of Repetitions ACTIVE	0	Compensation	
SAT		USER CVS	
Tag Type	None	User CV15	2.00
		User CV21	1.00
TRICKS		User CV22	1.00
Pause On/Off	On	TR Min	550.0
Auto Subtract	0	TR Max	850.0
Auto SCIC	2	MULTI-PHASE	
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	Yes

+C Ax T1 FSE FLEX

+C Ax T1 FSE FLEX

Protocol: adult_neck_Routine Neck Soft Tissue

+C Cor T1 FSE FLEX	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Head;Neck	Imaging Options	NPW, EDR, TRF, Fast, ARC, Flex
	Plane	OBLIQUE	IDEAL	7
	Series Description	+C Cor T1 FSE FLEX	SCAN RANGE	
	SCAN TIMING		FOV	25.0
	Flip Angle	111	Slice Thickness	3.0
	TE	Min Full	Slice Spacing	0.5
	Number of Echoes	1	ACQ TIMING	
	TR	621.0	Freq	352
	Echo Train Length	4	Phase	224
	Receiver Bandwidth	41.67	Freq DIR	S/I
	IMAGE ENHANCE		Fat Shift DIR	Normal (I)
	Filter Choice	A	NEX	2.00
	GATING/TRIGGER		# of Acq. Before Pause	0
	Auto Trigger Type	Off	Auto Shim	Auto
	FMRI		Phase Correction	Yes
	PSD Trigger	Internal	USER CVS	
	View Order	Bottom/Up	User CV15	2.00
	# of Repetitions REST	0	User CV22	1.00
	# of Repetitions ACTIVE	0	TR Min	400.0
	SAT		TR Max	850.0
	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	
		Recon All Images	On	
		CONTRAST		
		Contrast Yes/No	No	

+C Cor T1 FSE FLEX