

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	Neck;Spine	Imaging Options	Seq, EDR, Fast, SS, ARC
Plane	3-PLANE	SCAN RANGE	
Series Description	3-Plane Localizer	FOV	30.0
SCAN TIMING		Slice Thickness	15.0
TE	80.0	Slice Spacing	5.0
Number of Echoes	1	ACQ TIMING	
TR	1200.0	Freq	384
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 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 Localizer

3-Plane Localizer

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Neck	Imaging Options	FC, NPW, EDR, TRF, Fast, FR
Plane	OBLIQUE		
Series Description	Sag T2 frFSE		
SCAN TIMING		SCAN RANGE	
Flip Angle	130	FOV	24.0
TE	105.0	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	0.5
TR	3374.0		
Echo Train Length	19	ACQ TIMING	
Receiver Bandwidth	41.67	Freq	380
		Phase	224
		Freq DIR	A/P
		Fat Shift DIR	Normal (P)
		NEX	3.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction	Freq
		Compensation	
IMAGE ENHANCE		USER CVS	
Filter Choice	G	User CV15	2.00
		User CV18	1.00
		User CV22	2.00
		TR Min	3000.0
		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	On		

Sag T2 frFSE

Sag T2 frFSE

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Neck;Spine	Imaging Options	NPW, EDR, TRF, Fast
Plane	OBLIQUE	SCAN RANGE	
Series Description	Sag T1 FSE Optimized	FOV	24.0
SCAN TIMING		Slice Thickness	3.0
Flip Angle	111	Slice Spacing	0.5
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	320
TR	846.0	Phase	192
Echo Train Length	4	Freq DIR	A/P
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (P)
IMAGE ENHANCE		NEX	2.00
Filter Choice	G	Auto Shim	Auto
GATING/TRIGGER		Phase Correction	No
Auto Trigger Type	Off	USER CVS	
FMRI		User CV15	2.00
PSD Trigger	Internal	User CV16	1.00
View Order	Bottom/Up	User CV18	1.00
# of Repetitions REST	0	TR Min	600.0
# of Repetitions ACTIVE	0	TR Max	900.0
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

Sag T1 FSE Optimized

Sag T1 FSE Optimized

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Neck;Spine	Imaging Options	FC, Seq, EDR, TRF, Fast, IrP
Plane	OBLIQUE	PSD Name	frfse-xl
Series Description	Sag T2 FSE STIR		
SCAN TIMING		SCAN RANGE	
Flip Angle	142	FOV	24.0
TE	68.0	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	0.5
TR	4416.0		
TI	180	ACQ TIMING	
Echo Train Length	14	Freq	288
Receiver Bandwidth	50.00	Phase	192
		Freq DIR	S/I
		Fat Shift DIR	Normal (S)
		NEX	2.00
		Phase FOV	1.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction	Freq
		Compensation	
IMAGE ENHANCE		USER CVS	
Filter Choice	G	User CV22	1.00
		TR Min	2000.0
		TR Max	15000.0
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			
SAT Location	S		
SAT Location	I		
Tag Type	None		
TRICKS			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	Off		

Sag T2 FSE STIR

Sag T2 FSE STIR

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Neck;Spine	Imaging Options	FC, EDR, TRF, Fast, ARC
Plane	OBLIQUE	SCAN RANGE	
Series Description	Ax T2 FSE BLOCK	FOV	20.0
SCAN TIMING		Slice Thickness	3.0
Flip Angle	130	Slice Spacing	1.0
TE	90.0	ACQ TIMING	
Number of Echoes	1	Freq	320
TR	6001.0	Phase	224
Echo Train Length	18	Freq DIR	R/L
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (L)
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	Slice
PSD Trigger	Internal	USER CVS	
View Order	Bottom/Up	User CV15	2.00
# of Repetitions REST	0	User CV16	1.00
# of Repetitions ACTIVE	0	User CV22	1.00
SAT		TR Min	2500.0
SAT Location	A	TR Max	11000.0
SAT Location	S	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 T2 FSE BLOCK

Ax T2 FSE BLOCK

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	Neck;Spine	Imaging Options	Seq, EDR, TRF, Fast, SS, ARC
Plane	3-PLANE		
Series Description	3-Plane Localizer		
SCAN TIMING		SCAN RANGE	
TE	80.0	FOV	48.0
Number of Echoes	1	Slice Thickness	10.0
TR	1200.0	Slice Spacing	5.0
Receiver Bandwidth	83.33		
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	None	Freq	384
		Phase	160
		Freq DIR	Unswap
		# of Acq. Before Pause	0
		Phase FOV	1.00
		Auto Shim	Auto
		Phase Correction	No
GATING/TRIGGER		FMRI	
Auto Trigger Type	Off	PSD Trigger	Internal
		View Order	Bottom/Up
		# of Repetitions REST	0
		# of Repetitions ACTIVE	0
MULTI-PHASE		SAT	
Seperate Series	0	Tag Type	None
Mask Phase	0		
Mask Pause	0		
DIFFUSION		TRICKS	
Recon All Images	On	Pause On/Off	On
		Auto Subtract	0
		Auto SCIC	Off
CONTRAST			
Contrast Yes/No	No		

3-Plane Localizer

3-Plane Localizer

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Neck;Spine	Imaging Options	FC, NPW, EDR, TRF, Fast, FR
Plane	OBLIQUE		
Series Description	Sag T2 frFSE		
SCAN TIMING		SCAN RANGE	
Flip Angle	142	FOV	34.0
TE	102.0	Slice Thickness	3.5
Number of Echoes	1	Slice Spacing	1.0
TR	3778.0		
Echo Train Length	24	ACQ TIMING	
Receiver Bandwidth	50.00	Freq	416
		Phase	224
		Freq DIR	A/P
		Fat Shift DIR	Normal (P)
		NEX	2.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction Compensation	Freq
IMAGE ENHANCE		USER CVS	
Filter Choice	G	User CV15	2.00
		User CV18	1.00
		User CV22	2.00
		TR Min	2500.0
		TR Max	11000.0
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		
# of Repetitions ACTIVE	0		
SAT		CONTRAST	
SAT Location	A	Contrast Yes/No	No
SAT Location	S		
SAT Location	I		
Tag Type	None		
TRICKS			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	2		

Sag T2 frFSE

Sag T2 frFSE

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

Sag T1 FSE Optimized	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Neck;Spine	Imaging Options	NPW, EDR, TRF, Fast
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Sag T1 FSE Optimized	FOV	34.0
	SCAN TIMING		Slice Thickness	3.5
	Flip Angle	111	Slice Spacing	1.0
	TE	Min Full	ACQ TIMING	
	Number of Echoes	1	Freq	320
	TR	714.0	Phase	224
	Echo Train Length	4	Freq DIR	A/P
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (P)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	G	Auto Shim	Auto
	GATING/TRIGGER		Phase Correction	No
	Auto Trigger Type	Off	USER CVS	
	FMRI		User CV15	2.00
	PSD Trigger	Internal	User CV16	1.00
	View Order	Bottom/Up	TR Min	600.0
	# of Repetitions REST	0	TR Max	900.0
	# 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	

Sag T1 FSE Optimized

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Neck;Spine	Imaging Options	FC, NPW, Seq, EDR, TRF, Fast, IrP
Plane	OBLIQUE	PSD Name	frfse-xl
Series Description	Sag T2 FSE STIR		
SCAN TIMING		SCAN RANGE	
Flip Angle	142	FOV	34.0
TE	42.0	Slice Thickness	3.5
Number of Echoes	1	Slice Spacing	1.0
TR	4044.0		
TI	190	ACQ TIMING	
Echo Train Length	14	Freq	300
Receiver Bandwidth	31.25	Phase	192
		Freq DIR	A/P
IMAGE ENHANCE		Fat Shift DIR	Normal (P)
Filter Choice	G	NEX	2.00
		Auto Shim	Auto
GATING/TRIGGER		Phase Correction	No
Auto Trigger Type	Off	Flow Direction	Freq
		Compensation	
FMRI		USER CVS	
PSD Trigger	Internal	User CV22	1.00
View Order	Bottom/Up	TR Min	2000.0
# of Repetitions REST	0	TR Max	15000.0
# of Repetitions ACTIVE	0		
SAT		MULTI-PHASE	
SAT Location	A	Seperate Series	0
SAT Location	P	Mask Phase	0
SAT Location	S	Mask Pause	0
SAT Location	I		
Tag Type	None	DIFFUSION	
		Recon All Images	On
TRICKS		CONTRAST	
Pause On/Off	On	Contrast Yes/No	No
Auto Subtract	0		
Auto SCIC	Off		

Sag T2 FSE STIR

Sag T2 FSE STIR

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

Ax T2 frFSE UPPER	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Neck;Spine	Imaging Options	FC, NPW, EDR, TRF, Fast, FR, ARC
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Ax T2 frFSE UPPER	FOV	20.0
	SCAN TIMING		Slice Thickness	6.0
	Flip Angle	142	Slice Spacing	2.0
	TE	90.0	ACQ TIMING	
	Number of Echoes	1	Freq	260
	TR	3970.0	Phase	192
	Echo Train Length	18	Freq DIR	A/P
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (A)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	G	Auto Shim	Auto
	GATING/TRIGGER		Phase Correction	No
	Auto Trigger Type	Off	Flow Direction	Slice
	FMRI		Compensation	
	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	2500.0
	SAT		TR Max	11000.0
	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	

Ax T2 frFSE UPPER

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Neck;Spine	Imaging Options	FC, NPW, EDR, TRF, Fast, FR, ARC
Plane	OBLIQUE		
Series Description	Ax T2 frFSE LOWER		
SCAN TIMING		SCAN RANGE	
Flip Angle	142	FOV	20.0
TE	90.0	Slice Thickness	6.0
Number of Echoes	1	Slice Spacing	2.0
TR	3970.0		
Echo Train Length	18	ACQ TIMING	
Receiver Bandwidth	41.67	Freq	260
		Phase	192
		Freq DIR	A/P
		Fat Shift DIR	Normal (A)
		NEX	2.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction	Slice
		Compensation	
IMAGE ENHANCE		USER CVS	
Filter Choice	G	User CV15	2.00
		User CV22	1.00
		TR Min	2500.0
		TR Max	11000.0
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		

Ax T2 frFSE LOWER

Ax T2 frFSE LOWER

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	Spine	Imaging Options	Seq, EDR, TRF, Fast, SS, ARC
Plane	3-PLANE		
Series Description	3-Plane Localizer		
SCAN TIMING		SCAN RANGE	
TE	80.0	FOV	48.0
Number of Echoes	1	Slice Thickness	10.0
TR	1100.0	Slice Spacing	5.0
Receiver Bandwidth	83.33		
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	None	Freq	384
		Phase	160
		Freq DIR	Unswap
		# of Acq. Before Pause	0
		Phase FOV	1.00
		Auto Shim	Auto
		Phase Correction	No
GATING/TRIGGER		FMRI	
Auto Trigger Type	Off	PSD Trigger	Internal
		View Order	Bottom/Up
		# of Repetitions REST	0
		# of Repetitions ACTIVE	0
MULTI-PHASE		SAT	
Seperate Series	0	Tag Type	None
Mask Phase	0		
Mask Pause	0		
DIFFUSION		TRICKS	
Recon All Images	On	Pause On/Off	On
		Auto Subtract	0
		Auto SCIC	Off
CONTRAST			
Contrast Yes/No	No		

3-Plane Localizer

3-Plane Localizer

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Spine	Imaging Options	FC, NPW, EDR, TRF, Fast, FR, ARC
Plane	OBLIQUE		
Series Description	Sag T2 frFSE		
SCAN TIMING		SCAN RANGE	
Flip Angle	142	FOV	28.0
TE	103.0	Slice Thickness	4.0
Number of Echoes	1	Slice Spacing	1.0
TR	3991.0		
Echo Train Length	24	ACQ TIMING	
Receiver Bandwidth	50.00	Freq	416
		Phase	224
		Freq DIR	A/P
		Fat Shift DIR	Reversed (A)
		NEX	3.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction Compensation	Freq
IMAGE ENHANCE		USER CVS	
Filter Choice	F	User CV18	1.00
		User CV22	1.00
		TR Min	2500.0
		TR Max	11000.0
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		
# of Repetitions ACTIVE	0		
SAT		CONTRAST	
SAT Location	S	Contrast Yes/No	No
SAT Location	I		
Tag Type	None		
TRICKS			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	2		

Sag T2 frFSE

Sag T2 frFSE

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

Sag T1 FSE Optimized	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Spine	Imaging Options	NPW, EDR, TRF, Fast, ARC
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	Sag T1 FSE Optimized	FOV	28.0
	SCAN TIMING		Slice Thickness	4.0
	Flip Angle	111	Slice Spacing	1.0
	TE	Min Full	ACQ TIMING	
	Number of Echoes	1	Freq	320
	TR	600.0	Phase	192
	Echo Train Length	4	Freq DIR	A/P
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (P)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	U N2S2	# of Acq. Before Pause	0
	GATING/TRIGGER		Auto Shim	Auto
	Auto Trigger Type	Off	Phase Correction	No
	FMRI		USER CVS	
	PSD Trigger	Internal	User CV15	2.00
	View Order	Bottom/Up	User CV16	1.00
	# of Repetitions REST	0	TR Min	600.0
	# of Repetitions ACTIVE	0	TR Max	900.0
	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	

Sag T1 FSE Optimized

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Spine	Imaging Options	FC, Seq, EDR, TRF, Fast, IrP
Plane	OBLIQUE	PSD Name	frfse-xl
Series Description	Sag T2 FSE STIR		
SCAN TIMING		SCAN RANGE	
Flip Angle	142	FOV	28.0
TE	68.0	Slice Thickness	4.0
Number of Echoes	1	Slice Spacing	1.0
TR	5024.0		
TI	188	ACQ TIMING	
Echo Train Length	14	Freq	288
Receiver Bandwidth	31.25	Phase	192
		Freq DIR	S/I
		Fat Shift DIR	Normal (S)
		NEX	2.00
		Phase FOV	1.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction Compensation	Freq
IMAGE ENHANCE		USER CVS	
Filter Choice	U N2S2	User CV22	1.00
		TR Min	2000.0
		TR Max	15000.0
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			
SAT Location	S		
SAT Location	I		
Tag Type	None		
TRICKS			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	Off		

Sag T2 FSE STIR

Sag T2 FSE STIR

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Spine	Imaging Options	FC, NPW, EDR, TRF, Fast, FR, ARC
Plane	OBLIQUE		
Series Description	Ax T2 frFSE		
SCAN TIMING		SCAN RANGE	
Flip Angle	142	FOV	18.0
TE	90.0	Slice Thickness	4.0
Number of Echoes	1	Slice Spacing	1.0
TR	3884.0		
Echo Train Length	20	ACQ TIMING	
Receiver Bandwidth	31.25	Freq	320
		Phase	224
		Freq DIR	Swap
		Fat Shift DIR	Normal
		NEX	2.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction	Slice
		Compensation	
IMAGE ENHANCE		USER CVS	
Filter Choice	A	User CV15	2.00
		User CV18	1.00
		User CV22	1.00
		TR Min	2500.0
		TR Max	11000.0
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	On		
OTHERS			
Protocol Notes	Dont change matrix		

Ax T2 frFSE

Ax T2 frFSE

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

Contrast	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	Neck;Spine	Imaging Options	Seq, EDR, Fast, SS, ARC
	Plane	3-PLANE	SCAN RANGE	
	Series Description	*Contrast*	FOV	30.0
	SCAN TIMING		Slice Thickness	15.0
	TE	80.0	Slice Spacing	5.0
	Number of Echoes	1	ACQ TIMING	
	TR	1200.0	Freq	384
	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 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	

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Neck;Spine	Imaging Options	EDR, TRF, Fast, ARC
Plane	OBLIQUE	SCAN RANGE	
Series Description	Csp Ax T1 FSE	FOV	20.0
SCAN TIMING		Slice Thickness	3.0
Flip Angle	142	Slice Spacing	1.0
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	260
TR	667.0	Phase	192
Echo Train Length	5	Freq DIR	R/L
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (L)
IMAGE ENHANCE		NEX	2.00
Filter Choice	G	# of Acq. Before Pause	0
GATING/TRIGGER		Phase FOV	1.00
Auto Trigger Type	Off	Auto Shim	Auto
FMRI		Phase Correction	No
PSD Trigger	Internal	USER CVS	
View Order	Bottom/Up	User CV15	2.00
# of Repetitions REST	0	User CV16	1.00
# of Repetitions ACTIVE	0	TR Min	550.0
SAT		TR Max	900.0
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

Csp Ax T1 FSE

Csp Ax T1 FSE

Protocol: adult_spine_C-T-L Spine

+C Csp Ax T1 FSE F/S POST	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Neck;Spine	Imaging Options	EDR, TRF, Fast, ARC
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	+C Csp Ax T1 FSE F/S POST	FOV	20.0
	SCAN TIMING		Slice Thickness	3.0
	Flip Angle	142	Slice Spacing	1.0
	TE	Min Full	ACQ TIMING	
	Number of Echoes	1	Freq	260
	TR	845.0	Phase	192
	Echo Train Length	5	Freq DIR	R/L
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (L)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	G	# of Acq. Before Pause	0
	GATING/TRIGGER		Phase FOV	1.00
	Auto Trigger Type	Off	Auto Shim	Auto
	FMRI		Phase Correction	No
	PSD Trigger	Internal	USER CVS	
	View Order	Bottom/Up	User CV15	2.00
# of Repetitions REST	0	User CV16	1.00	
# of Repetitions ACTIVE	0	User CV19	1.00	
SAT		TR Min	550.0	
Tag Type	None	TR Max	900.0	
Fat/Water Saturation	Fat	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	Yes	

+C Csp Ax T1 FSE F/S POST

Protocol: adult_spine_C-T-L Spine

+C Csp Sag T1 FSE POST	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Neck;Spine	Imaging Options	NPW, EDR, TRF, Fast, ARC
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	+C Csp Sag T1 FSE POST	FOV	24.0
	SCAN TIMING		Slice Thickness	3.0
	Flip Angle	111	Slice Spacing	0.5
	TE	Min Full	ACQ TIMING	
	Number of Echoes	1	Freq	320
	TR	600.0	Phase	192
	Echo Train Length	4	Freq DIR	A/P
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (P)
	IMAGE ENHANCE		NEX	3.00
	Filter Choice	G	# of Acq. Before Pause	0
	GATING/TRIGGER		Auto Shim	Auto
	Auto Trigger Type	Off	Phase Correction	No
	FMRI		USER CVS	
	PSD Trigger	Internal	User CV15	2.00
	View Order	Bottom/Up	User CV16	1.00
	# of Repetitions REST	0	User CV19	1.00
	# of Repetitions ACTIVE	0	TR Min	600.0
	SAT		TR Max	900.0
	Tag Type	None	MULTI-PHASE	
	Fat/Water Saturation	Fat	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 Csp Sag T1 FSE POST

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Neck;Spine	Imaging Options	NPW, EDR, TRF, Fast, ARC
Plane	OBLIQUE	SCAN RANGE	
Series Description	Tsp Ax T1 FSE UPPER	FOV	20.0
SCAN TIMING		Slice Thickness	6.0
Flip Angle	111	Slice Spacing	2.0
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	260
TR	649.0	Phase	192
Echo Train Length	5	Freq DIR	A/P
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (A)
IMAGE ENHANCE		NEX	2.00
Filter Choice	G	# of Acq. Before Pause	0
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	Yes
FMRI		USER CVS	
PSD Trigger	Internal	User CV15	2.00
View Order	Bottom/Up	User CV16	1.00
# of Repetitions REST	0	TR Min	550.0
# of Repetitions ACTIVE	0	TR Max	850.0
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

Tsp Ax T1 FSE UPPER

Tsp Ax T1 FSE UPPER

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Neck;Spine	Imaging Options	NPW, EDR, TRF, Fast, ARC
Plane	OBLIQUE	SCAN RANGE	
Series Description	Tsp Ax T1 FSE LOWER	FOV	20.0
SCAN TIMING		Slice Thickness	6.0
Flip Angle	111	Slice Spacing	2.0
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	260
TR	649.0	Phase	192
Echo Train Length	5	Freq DIR	A/P
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (A)
IMAGE ENHANCE		NEX	2.00
Filter Choice	G	# of Acq. Before Pause	0
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	Yes
FMRI		USER CVS	
PSD Trigger	Internal	User CV15	2.00
View Order	Bottom/Up	User CV16	1.00
# of Repetitions REST	0	TR Min	550.0
# of Repetitions ACTIVE	0	TR Max	850.0
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

Tsp Ax T1 FSE LOWER

Tsp Ax T1 FSE LOWER

Protocol: adult_spine_C-T-L Spine

+C Tsp Ax T1 FSE UPPER	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Neck;Spine	Imaging Options	NPW, EDR, TRF, Fast, ARC
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	+C Tsp Ax T1 FSE UPPER	FOV	20.0
	SCAN TIMING		Slice Thickness	6.0
	Flip Angle	111	Slice Spacing	2.0
	TE	Min Full	ACQ TIMING	
	Number of Echoes	1	Freq	260
	TR	810.0	Phase	192
	Echo Train Length	5	Freq DIR	A/P
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (A)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	G	# of Acq. Before Pause	0
	GATING/TRIGGER		Auto Shim	Auto
	Auto Trigger Type	Off	Phase Correction	Yes
	FMRI		USER CVS	
	PSD Trigger	Internal	User CV15	2.00
	View Order	Bottom/Up	User CV16	1.00
	# of Repetitions REST	0	User CV19	1.00
	# of Repetitions ACTIVE	0	TR Min	550.0
	SAT		TR Max	850.0
	Tag Type	None	MULTI-PHASE	
	Fat/Water Saturation	Fat	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 Tsp Ax T1 FSE UPPER

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

+C Tsp Ax T1 FSE LOWER	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	Neck;Spine	Imaging Options	NPW, EDR, TRF, Fast, ARC
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	+C Tsp Ax T1 FSE LOWER	FOV	20.0
	SCAN TIMING		Slice Thickness	6.0
	Flip Angle	111	Slice Spacing	2.0
	TE	Min Full	ACQ TIMING	
	Number of Echoes	1	Freq	260
	TR	810.0	Phase	192
	Echo Train Length	5	Freq DIR	A/P
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (A)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	G	# of Acq. Before Pause	0
	GATING/TRIGGER		Auto Shim	Auto
	Auto Trigger Type	Off	Phase Correction	Yes
	FMRI		USER CVS	
	PSD Trigger	Internal	User CV15	2.00
	View Order	Bottom/Up	User CV16	1.00
	# of Repetitions REST	0	User CV19	1.00
	# of Repetitions ACTIVE	0	TR Min	550.0
	SAT		TR Max	850.0
	Tag Type	None	MULTI-PHASE	
	Fat/Water Saturation	Fat	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 Tsp Ax T1 FSE LOWER

Protocol: adult_spine_C-T-L Spine

+C Tsp Sag T1 FSE Optimized	PATIENT POSITION		IMAGING PARAMETERS		+C Tsp Sag T1 FSE Optimized
	Patient Entry	Head First	Imaging Mode	2D	
	Patient Position	Supine	Pulse Sequence	FSE-XL	
	Coil Configuration	Neck;Spine	Imaging Options	NPW, EDR, TRF, Fast	
	Plane	OBLIQUE	SCAN RANGE		
	Series Description	+C Tsp Sag T1 FSE Optimized	FOV	34.0	
	SCAN TIMING		Slice Thickness	3.5	
	Flip Angle	111	Slice Spacing	1.0	
	TE	Min Full	ACQ TIMING		
	Number of Echoes	1	Freq	320	
	TR	896.0	Phase	192	
	Echo Train Length	4	Freq DIR	A/P	
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (P)	
	IMAGE ENHANCE		NEX	2.00	
	Filter Choice	G	Auto Shim	Auto	
	GATING/TRIGGER		Phase Correction	No	
	Auto Trigger Type	Off	USER CVS		
	FMRI		User CV15	2.00	
	PSD Trigger	Internal	User CV16	1.00	
	View Order	Bottom/Up	User CV19	1.00	
# of Repetitions REST	0	TR Min	600.0		
# of Repetitions ACTIVE	0	TR Max	900.0		
SAT		MULTI-PHASE			
Tag Type	None	Seperate Series	0		
Fat/Water Saturation	Fat	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	Yes		

McLeod Pavilion

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Spine	Imaging Options	NPW, EDR, TRF, Fast, ARC
Plane	OBLIQUE	SCAN RANGE	
Series Description	Lsp Ax T1 FSE PRE	FOV	18.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	142	Slice Spacing	1.0
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	280
TR	550.0	Phase	192
Echo Train Length	4	Freq DIR	Swap
Receiver Bandwidth	31.25	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	2.00
Filter Choice	A	Auto Shim	Auto
GATING/TRIGGER		Phase Correction	Yes
Auto Trigger Type	Off	USER CVS	
FMRI		User CV15	2.00
PSD Trigger	Internal	User CV16	1.00
View Order	Bottom/Up	TR Min	550.0
# of Repetitions REST	0	TR Max	850.0
# 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	On	CONTRAST	
		Contrast Yes/No	No

Lsp Ax T1 FSE PRE

Lsp Ax T1 FSE PRE

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Spine	Imaging Options	NPW, EDR, TRF, Fast
Plane	OBLIQUE	SCAN RANGE	
Series Description	+C Lsp Sag T1 FSE	FOV	28.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	111	Slice Spacing	1.0
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	320
TR	600.0	Phase	192
Echo Train Length	4	Freq DIR	A/P
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (P)
IMAGE ENHANCE		NEX	2.00
Filter Choice	U N2S2	# of Acq. Before Pause	0
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
FMRI		USER CVS	
PSD Trigger	Internal	User CV15	2.00
View Order	Bottom/Up	User CV16	1.00
# of Repetitions REST	0	User CV19	1.00
# of Repetitions ACTIVE	0	TR Min	600.0
SAT		TR Max	900.0
Tag Type	None	MULTI-PHASE	
Fat/Water Saturation	Fat	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 Lsp Sag T1 FSE

+C Lsp Sag T1 FSE

Protocol: adult_spine_C-T-L Spine

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Spine	Imaging Options	NPW, EDR, TRF, Fast, ARC
Plane	OBLIQUE	SCAN RANGE	
Series Description	+C Lsp Ax T1 F/S	FOV	18.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	111	Slice Spacing	1.0
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	260
TR	650.0	Phase	192
Echo Train Length	5	Freq DIR	A/P
Receiver Bandwidth	41.67	Fat Shift DIR	Normal (A)
IMAGE ENHANCE		NEX	2.00
Filter Choice	A	# of Acq. Before Pause	0
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	Yes
FMRI		USER CVS	
PSD Trigger	Internal	User CV15	2.00
View Order	Bottom/Up	User CV16	1.00
# of Repetitions REST	0	User CV19	1.00
# of Repetitions ACTIVE	0	TR Min	550.0
SAT		TR Max	850.0
Tag Type	None	MULTI-PHASE	
Fat/Water Saturation	Fat	Seperate Series	0
TRICKS		Mask Phase	0
Pause On/Off	On	Mask Pause	0
Auto Subtract	0	DIFFUSION	
Auto SCIC	On	Recon All Images	On
		CONTRAST	
		Contrast Yes/No	Yes

+C Lsp Ax T1 F/S

+C Lsp Ax T1 F/S