

Protocol: adult_spine_THORACIC

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	GEM Spine	Imaging Options	Seq, EDR, Fast, SS, ARC
Plane	3-PLANE	SCAN RANGE	
Series Description	3-Plane Localizer	FOV	50.0
SCAN TIMING		Slice Thickness	4.0
TE	80.0	Slice Spacing	5.0
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 CV1	1.00
# 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
TRICKS		Mask Phase	0
Pause On/Off	On	Mask Pause	0
Auto Subtract	0	DIFFUSION	
Auto SCIC	Off	Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No

3-Plane Localizer

3-Plane Localizer

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	GEM Spine	Imaging Options	FC, NPW, EDR, TRF, Fast, FR
Plane	OBLIQUE		
Series Description	SAGITTAL T1W FOR COUNTING		
SCAN TIMING		SCAN RANGE	
Flip Angle	160	FOV	26.0
TE	Min Full	Slice Thickness	4.0
Number of Echoes	1	Slice Spacing	1.0
TR	400.0		
Echo Train Length	5	ACQ TIMING	
Receiver Bandwidth	41.67	Freq	256
		Phase	160
		Freq DIR	A/P
		Fat Shift DIR	Normal (P)
		NEX	1.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction Compensation	Freq
IMAGE ENHANCE		USER CVS	
Filter Choice	None	User CV15	2.00
		User CV17	1.00
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	Off		

SAGITTAL T1W FOR COUNTING

SAGITTAL T1W FOR COUNTING

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	GEM Spine	Imaging Options	FC, NPW, EDR, TRF, Fast, FR
Plane	OBLIQUE		
Series Description	SAGITTAL T2W		
SCAN TIMING		SCAN RANGE	
Flip Angle	160	FOV	32.0
TE	102.0	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	1.0
TR	2668.0		
Echo Train Length	21	ACQ TIMING	
Receiver Bandwidth	41.67	Freq	416
		Phase	256
		Freq DIR	A/P
		Fat Shift DIR	Normal (P)
		NEX	4.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction Compensation	Freq
IMAGE ENHANCE		USER CVS	
Filter Choice	None	User CV15	2.00
		TR Min	2500.0
		TR Max	6000.0
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		

SAGITTAL T2W

SAGITTAL T2W

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	GEM Spine	Imaging Options	FC, NPW, Seq, EDR, TRF, Fast, ZIP512, ARC, IrP
Plane	OBLIQUE	PSD Name	frfse-xl
Series Description	SAGITTAL STIR		
SCAN TIMING		SCAN RANGE	
Flip Angle	160	FOV	32.0
TE	49.0	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	1.0
TR	3508.0		
TI	160	ACQ TIMING	
Echo Train Length	13	Freq	320
Receiver Bandwidth	41.67	Phase	224
		Freq DIR	A/P
		Fat Shift DIR	Normal (P)
		NEX	3.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction Compensation	Freq
IMAGE ENHANCE		USER CVS	
Filter Choice	None	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			
Tag Type	None		
TRICKS			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	Off		

SAGITTAL STIR

SAGITTAL STIR

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	GEM Spine	Imaging Options	NPW, EDR, TRF, Fast, ZIP512
Plane	OBLIQUE		
Series Description	SAGITTAL T1W		
SCAN TIMING		SCAN RANGE	
Flip Angle	160	FOV	32.0
TE	Min Full	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	1.0
TR	637.0		
Echo Train Length	4	ACQ TIMING	
Receiver Bandwidth	41.67	Freq	416
		Phase	256
		Freq DIR	A/P
		Fat Shift DIR	Normal (P)
		NEX	4.00
		Auto Shim	Auto
		Phase Correction	No
IMAGE ENHANCE		USER CVS	
Filter Choice	None	User CV15	2.00
		User CV16	1.00
		User CV22	1.00
		TR Min	400.0
		TR Max	650.0
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	
Tag Type	None	Contrast Yes/No	No
TRICKS			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	2		

SAGITTAL T1W

SAGITTAL T1W

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AXIAL T2W INFERIOR SET PHASE AP	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	GEM Spine	Imaging Options	FC, NPW, EDR, TRF, Fast, ZIP512, FR
	Plane	OBLIQUE	SCAN RANGE	
	Series Description	AXIAL T2W INFERIOR SET PHASE AP	FOV	16.0
	SCAN TIMING		Slice Thickness	4.0
	Flip Angle	160	Slice Spacing	1.0
	TE	102.0	ACQ TIMING	
	Number of Echoes	1	Freq	256
	TR	5162.0	Phase	192
	Echo Train Length	22	Freq DIR	R/L
	Receiver Bandwidth	41.67	Fat Shift DIR	Normal (L)
	IMAGE ENHANCE		NEX	4.00
	Filter Choice	None	Auto Shim	Auto
	GATING/TRIGGER		Phase Correction	No
	Auto Trigger Type	Off	Flow Direction Compensation	Slice
	FMRI		USER CVS	
	PSD Trigger	Internal	User CV15	2.00
	View Order	Bottom/Up	TR Min	2500.0
# of Repetitions REST	0	TR Max	11000.0	
# 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	Off	CONTRAST		
		Contrast Yes/No	No	

AXIAL T2W INFERIOR SET PHASE AP

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	GEM Spine	Imaging Options	FC, NPW, EDR, TRF, Fast, ZIP512, FR
Plane	OBLIQUE		
Series Description	AXIAL T2W SUPERIOR SET PHASE RL		
SCAN TIMING		SCAN RANGE	
Flip Angle	160	FOV	16.0
TE	102.0	Slice Thickness	4.0
Number of Echoes	1	Slice Spacing	1.0
TR	5162.0		
Echo Train Length	22	ACQ TIMING	
Receiver Bandwidth	41.67	Freq	256
		Phase	192
		Freq DIR	A/P
		Fat Shift DIR	Normal (A)
		NEX	4.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction Compensation	Slice
IMAGE ENHANCE		USER CVS	
Filter Choice	None	User CV15	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	
Tag Type	None	Contrast Yes/No	No
TRICKS			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	Off		

AXIAL T2W SUPERIOR SET PHASE RL

AXIAL T2W SUPERIOR SET PHASE RL