

Protocol: adult_spine_LUMBAR PEDIATRIC SCOLIOSIS FEET FIRST

LOC	PATIENT POSITION		IMAGING PARAMETERS		LOC
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>	
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>Gradient Echo</i>	
	Coil Configuration	<i>HNS by GE (TL)</i>	Imaging Options	<i>Seq, Fast</i>	
	Plane	<i>3-PLANE</i>	SCAN RANGE		
	Series Description	<i>LOC</i>	FOV	<i>44.0</i>	
	SCAN TIMING		Slice Thickness	<i>7.0</i>	
	Number of Echoes	<i>1</i>	Slice Spacing	<i>5.0</i>	
	IMAGE ENHANCE		ACQ TIMING		
	Filter Choice	<i>None</i>	Freq	<i>256</i>	
	GATING/TRIGGER		Phase	<i>128</i>	
	Auto Trigger Type	<i>Off</i>	Freq DIR	<i>Unswap</i>	
	MULTI-PHASE		NEX	<i>1.00</i>	
	Seperate Series	<i>0</i>	Phase FOV	<i>1.00</i>	
	Mask Phase	<i>0</i>	Auto Shim	<i>Off</i>	
	Mask Pause	<i>0</i>	Phase Correction	<i>No</i>	
	DIFFUSION		FMRI		
	Recon All Images	<i>On</i>	PSD Trigger	<i>Internal</i>	
	CONTRAST		Slice Order	<i>Interleaved</i>	
	Contrast Yes/No	<i>No</i>	View Order	<i>Bottom/Up</i>	
		# of Repetitions REST	<i>0</i>		
		# of Repetitions ACTIVE	<i>0</i>		
		SAT			
		Tag Type	<i>None</i>		
		TRICKS			
		Pause On/Off	<i>On</i>		
		Auto Subtract	<i>0</i>		
		Auto SCIC	<i>Off</i>		

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
Coil Configuration	<i>HNS by GE (TL)</i>	Imaging Options	<i>FC, NPW, EDR, TRF, Fast, FR, MRF</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>SAG T2</i>	FOV	<i>28.0</i>
SCAN TIMING		Slice Thickness	<i>4.0</i>
Flip Angle	<i>160</i>	Slice Spacing	<i>1.0</i>
TE	<i>100.0</i>	ACQ TIMING	
Number of Echoes	<i>1</i>	Freq	<i>300</i>
TR	<i>2800.0</i>	Phase	<i>224</i>
Echo Train Length	<i>18</i>	Freq DIR	<i>A/P</i>
Receiver Bandwidth	<i>31.25</i>	Fat Shift DIR	<i>Normal (P)</i>
IMAGE ENHANCE		NEX	<i>4.00</i>
Filter Choice	<i>None</i>	Phase FOV	<i>1.00</i>
GATING/TRIGGER		Auto Shim	<i>Auto</i>
Auto Trigger Type	<i>Off</i>	Phase Correction	<i>No</i>
FMRI		Flow Direction Compensation	<i>Freq</i>
PSD Trigger	<i>Internal</i>	USER CVS	
Slice Order	<i>Interleaved</i>	User CV15	<i>2.00</i>
View Order	<i>Bottom/Up</i>	User CV22	<i>1.00</i>
# of Repetitions REST	<i>0</i>	TR Min	<i>2800.0</i>
# of Repetitions ACTIVE	<i>0</i>	TR Max	<i>11000.0</i>
SAT		MULTI-PHASE	
SAT Location	<i>S</i>	Seperate Series	<i>0</i>
SAT Location	<i>I</i>	Mask Phase	<i>0</i>
Tag Type	<i>None</i>	Mask Pause	<i>0</i>
TRICKS		DIFFUSION	
Pause On/Off	<i>On</i>	Recon All Images	<i>On</i>
Auto Subtract	<i>0</i>	CONTRAST	
Auto SCIC	<i>2</i>	Contrast Yes/No	<i>No</i>

SAG T2

SAG T2

Protocol: adult_spine_LUMBAR PEDIATRIC SCOLIOSIS FEET FIRST

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
Coil Configuration	<i>HNS by GE (TL)</i>	Imaging Options	<i>NPW, EDR, TRF, Fast, MRF</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>SAG T1</i>	FOV	<i>28.0</i>
SCAN TIMING		Slice Thickness	<i>4.0</i>
Flip Angle	<i>160</i>	Slice Spacing	<i>1.0</i>
TE	<i>Min Full</i>	ACQ TIMING	
Number of Echoes	<i>1</i>	Freq	<i>320</i>
TR	<i>718.0</i>	Phase	<i>224</i>
Echo Train Length	<i>3</i>	Freq DIR	<i>A/P</i>
Receiver Bandwidth	<i>31.25</i>	Fat Shift DIR	<i>Normal (P)</i>
IMAGE ENHANCE		NEX	<i>3.00</i>
Filter Choice	<i>None</i>	Phase FOV	<i>1.00</i>
GATING/TRIGGER		Auto Shim	<i>Auto</i>
Auto Trigger Type	<i>Off</i>	Phase Correction	<i>No</i>
FMRI		USER CVS	
PSD Trigger	<i>Internal</i>	User CV15	<i>2.00</i>
Slice Order	<i>Interleaved</i>	User CV21	<i>2.00</i>
View Order	<i>Bottom/Up</i>	User CV22	<i>1.00</i>
# of Repetitions REST	<i>0</i>	TR Min	<i>300.0</i>
# of Repetitions ACTIVE	<i>0</i>	TR Max	<i>750.0</i>
SAT		MULTI-PHASE	
SAT Location	<i>S</i>	Seperate Series	<i>0</i>
SAT Location	<i>I</i>	Mask Phase	<i>0</i>
Tag Type	<i>None</i>	Mask Pause	<i>0</i>
TRICKS		DIFFUSION	
Pause On/Off	<i>On</i>	Recon All Images	<i>On</i>
Auto Subtract	<i>0</i>	CONTRAST	
Auto SCIC	<i>2</i>	Contrast Yes/No	<i>No</i>

SAG T1

SAG T1

Protocol: adult_spine_LUMBAR PEDIATRIC SCOLIOSIS FEET FIRST

SAG STIR	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
	Coil Configuration	<i>HNS by GE (TL)</i>	Imaging Options	<i>FC, NPW, Seq, EDR, TRF, Fast, IrP</i>
	Plane	<i>OBLIQUE</i>	PSD Name	<i>frfse-xl</i>
	Series Description	<i>SAG STIR</i>	SCAN RANGE	
	SCAN TIMING		FOV	<i>28.0</i>
	Flip Angle	<i>160</i>	Slice Thickness	<i>4.0</i>
	TE	<i>42.0</i>	Slice Spacing	<i>1.0</i>
	Number of Echoes	<i>1</i>	ACQ TIMING	
	TR	<i>3925.0</i>	Freq	<i>288</i>
	TI	<i>140</i>	Phase	<i>192</i>
	Echo Train Length	<i>14</i>	Freq DIR	<i>A/P</i>
	Receiver Bandwidth	<i>31.25</i>	Fat Shift DIR	<i>Normal (P)</i>
	IMAGE ENHANCE		NEX	<i>2.00</i>
	Filter Choice	<i>None</i>	Phase FOV	<i>1.00</i>
	GATING/TRIGGER		Auto Shim	<i>Auto</i>
	Auto Trigger Type	<i>Off</i>	Phase Correction	<i>No</i>
	FMRI		Flow Direction Compensation	<i>Freq</i>
	PSD Trigger	<i>Internal</i>	USER CVS	
	Slice Order	<i>Interleaved</i>	User CV21	<i>1.00</i>
	View Order	<i>Bottom/Up</i>	User CV22	<i>1.00</i>
	# of Repetitions REST	<i>0</i>	TR Min	<i>3500.0</i>
	# of Repetitions ACTIVE	<i>0</i>	TR Max	<i>15000.0</i>
	SAT		MULTI-PHASE	
	SAT Location	<i>S</i>	Seperate Series	<i>0</i>
	SAT Location	<i>I</i>	Mask Phase	<i>0</i>
	Tag Type	<i>None</i>	Mask Pause	<i>0</i>
TRICKS		DIFFUSION		
Pause On/Off	<i>On</i>	Recon All Images	<i>On</i>	
Auto Subtract	<i>0</i>	CONTRAST		
Auto SCIC	<i>Off</i>	Contrast Yes/No	<i>No</i>	

SAG STIR

Protocol: adult_spine_LUMBAR PEDIATRIC SCOLIOSIS FEET FIRST

CORONAL T 2 SCOLIOSIST2	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
	Coil Configuration	<i>HNS by GE (TL)</i>	Imaging Options	<i>FC, NPW, EDR, TRF, Fast, FR, MRF</i>
	Plane	<i>OBLIQUE</i>	SCAN RANGE	
	Series Description	<i>CORONAL T2 SCOLIOSIST2</i>	FOV	<i>28.0</i>
	SCAN TIMING		Slice Thickness	<i>4.0</i>
	Flip Angle	<i>160</i>	Slice Spacing	<i>1.0</i>
	TE	<i>100.0</i>	ACQ TIMING	
	Number of Echoes	<i>1</i>	Freq	<i>300</i>
	TR	<i>2800.0</i>	Phase	<i>224</i>
	Echo Train Length	<i>18</i>	Freq DIR	<i>A/P</i>
	Receiver Bandwidth	<i>31.25</i>	Fat Shift DIR	<i>Normal (P)</i>
	IMAGE ENHANCE		NEX	<i>4.00</i>
	Filter Choice	<i>None</i>	Phase FOV	<i>1.00</i>
	GATING/TRIGGER		Auto Shim	<i>Auto</i>
	Auto Trigger Type	<i>Off</i>	Phase Correction	<i>No</i>
	FMRI		Flow Direction	<i>Freq</i>
	PSD Trigger	<i>Internal</i>	USER CVS	
	Slice Order	<i>Interleaved</i>	User CV15	<i>2.00</i>
	View Order	<i>Bottom/Up</i>	User CV22	<i>1.00</i>
	# of Repetitions REST	<i>0</i>	TR Min	<i>2800.0</i>
	# of Repetitions ACTIVE	<i>0</i>	TR Max	<i>11000.0</i>
	SAT		MULTI-PHASE	
	SAT Location	<i>S</i>	Seperate Series	<i>0</i>
SAT Location	<i>I</i>	Mask Phase	<i>0</i>	
Tag Type	<i>None</i>	Mask Pause	<i>0</i>	
TRICKS		DIFFUSION		
Pause On/Off	<i>On</i>	Recon All Images	<i>On</i>	
Auto Subtract	<i>0</i>	CONTRAST		
Auto SCIC	<i>2</i>	Contrast Yes/No	<i>No</i>	

CORONAL T 2 SCOLIOSIST2

Protocol: adult_spine_LUMBAR PEDIATRIC SCOLIOSIS FEET FIRST

AX T2 SLAB	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
	Coil Configuration	<i>HNS by GE (TL)</i>	Imaging Options	<i>FC, NPW, EDR, TRF, Fast, FR, MRF</i>
	Plane	<i>OBLIQUE</i>	SCAN RANGE	
	Series Description	<i>AX T2 SLAB</i>	FOV	<i>20.0</i>
	SCAN TIMING		Slice Thickness	<i>5.0</i>
	Flip Angle	<i>160</i>	Slice Spacing	<i>1.5</i>
	TE	<i>100.0</i>	ACQ TIMING	
	Number of Echoes	<i>1</i>	Freq	<i>288</i>
	TR	<i>4540.0</i>	Phase	<i>224</i>
	Echo Train Length	<i>23</i>	Freq DIR	<i>A/P</i>
	Receiver Bandwidth	<i>41.67</i>	Fat Shift DIR	<i>Normal (A)</i>
	IMAGE ENHANCE		NEX	<i>2.00</i>
	Filter Choice	<i>None</i>	Phase FOV	<i>1.00</i>
	GATING/TRIGGER		Auto Shim	<i>Auto</i>
	Auto Trigger Type	<i>Off</i>	Phase Correction	<i>No</i>
	FMRI		Flow Direction	<i>Slice</i>
	PSD Trigger	<i>Internal</i>	Compensation	
	Slice Order	<i>Interleaved</i>	USER CVS	
	View Order	<i>Bottom/Up</i>	User CV15	<i>2.00</i>
	# of Repetitions REST	<i>0</i>	User CV22	<i>1.00</i>
	# of Repetitions ACTIVE	<i>0</i>	TR Min	<i>2800.0</i>
	SAT		TR Max	<i>6000.0</i>
	SAT Location	<i>S</i>	MULTI-PHASE	
SAT Location	<i>I</i>	Seperate Series	<i>0</i>	
Tag Type	<i>None</i>	Mask Phase	<i>0</i>	
TRICKS		Mask Pause	<i>0</i>	
Pause On/Off	<i>On</i>	DIFFUSION		
Auto Subtract	<i>0</i>	Recon All Images	<i>On</i>	
Auto SCIC	<i>2</i>	CONTRAST		
		Contrast Yes/No	<i>No</i>	

AX T2 SLAB

Protocol: adult_spine_LUMBAR PEDIATRIC SCOLIOSIS FEET FIRST

AX T2 DISCS	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
	Coil Configuration	<i>HNS by GE (TL)</i>	Imaging Options	<i>FC, NPW, EDR, TRF, Fast, FR, MRF</i>
	Plane	<i>OBLIQUE</i>	SCAN RANGE	
	Series Description	<i>AX T2 DISCS</i>	FOV	<i>20.0</i>
	SCAN TIMING		Slice Thickness	<i>4.0</i>
	Flip Angle	<i>160</i>	Slice Spacing	<i>1.0</i>
	TE	<i>100.0</i>	ACQ TIMING	
	Number of Echoes	<i>1</i>	Freq	<i>288</i>
	TR	<i>5922.0</i>	Phase	<i>224</i>
	Echo Train Length	<i>23</i>	Freq DIR	<i>A/P</i>
	Receiver Bandwidth	<i>41.67</i>	Fat Shift DIR	<i>Normal (A)</i>
	IMAGE ENHANCE		NEX	<i>2.00</i>
	Filter Choice	<i>None</i>	Phase FOV	<i>1.00</i>
	GATING/TRIGGER		Auto Shim	<i>Auto</i>
	Auto Trigger Type	<i>Off</i>	Phase Correction	<i>No</i>
	FMRI		Flow Direction	<i>Slice</i>
	PSD Trigger	<i>Internal</i>	Compensation	
	Slice Order	<i>Interleaved</i>	USER CVS	
	View Order	<i>Bottom/Up</i>	User CV15	<i>2.00</i>
	# of Repetitions REST	<i>0</i>	User CV22	<i>1.00</i>
	# of Repetitions ACTIVE	<i>0</i>	TR Min	<i>2800.0</i>
	SAT		TR Max	<i>6000.0</i>
	SAT Location	<i>S</i>	MULTI-PHASE	
SAT Location	<i>I</i>	Seperate Series	<i>0</i>	
Tag Type	<i>None</i>	Mask Phase	<i>0</i>	
TRICKS		Mask Pause	<i>0</i>	
Pause On/Off	<i>On</i>	DIFFUSION		
Auto Subtract	<i>0</i>	Recon All Images	<i>On</i>	
Auto SCIC	<i>2</i>	CONTRAST		
		Contrast Yes/No	<i>No</i>	

AX T2 DISCS

Protocol: adult_spine_LUMBAR PEDIATRIC SCOLIOSIS FEET FIRST

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
Patient Position	<i>Supine</i>	Pulse Sequence	<i>Spin Echo</i>
Coil Configuration	<i>HNS by GE (TL)</i>	Imaging Options	<i>Fast, SS</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>---OPTIONS---</i>	FOV	<i>22.0</i>
SCAN TIMING		Slice Thickness	<i>5.0</i>
TE	<i>Minimum</i>	Slice Spacing	<i>1.0</i>
TR	<i>Minimum</i>	ACQ TIMING	
Receiver Bandwidth	<i>83.33</i>	Freq	<i>128</i>
IMAGE ENHANCE		Phase	<i>128</i>
Filter Choice	<i>None</i>	Freq DIR	<i>A/P</i>
GATING/TRIGGER		NEX	<i>1.0</i>
Auto Trigger Type	<i>Off</i>	# of Acq. Before Pause	<i>0</i>
FMRI		Phase FOV	<i>1.00</i>
PSD Trigger	<i>Internal</i>	Auto Shim	<i>Auto</i>
Slice Order	<i>Interleaved</i>	Phase Correction	<i>No</i>
View Order	<i>Bottom/Up</i>	USER CVS	
# of Repetitions REST	<i>0</i>	User CV2	<i>240.00</i>
# of Repetitions ACTIVE	<i>0</i>	User CV13	<i>1.00</i>
SAT		TR Min	<i>0.0</i>
Tag Type	<i>None</i>	TR Max	<i>0.0</i>
TRICKS		MULTI-PHASE	
Pause On/Off	<i>On</i>	Seperate Series	<i>0</i>
Auto Subtract	<i>0</i>	Mask Phase	<i>0</i>
Auto SCIC	<i>Off</i>	Mask Pause	<i>0</i>
		DIFFUSION	
		Recon All Images	<i>On</i>
		CONTRAST	
		Contrast Yes/No	<i>No</i>

Protocol: adult_spine_LUMBAR PEDIATRIC SCOLIOSIS FEET FIRST

Ax T1 FSE	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
	Coil Configuration	<i>HNS by GE (TL)</i>	Imaging Options	<i>NPW, EDR, TRF, Fast, MRF</i>
	Plane	<i>OBLIQUE</i>	SCAN RANGE	
	Series Description	<i>Ax T1 FSE</i>	FOV	<i>18.0</i>
	SCAN TIMING		Slice Thickness	<i>5.0</i>
	Flip Angle	<i>160</i>	Slice Spacing	<i>1.5</i>
	TE	<i>Min Full</i>	ACQ TIMING	
	Number of Echoes	<i>1</i>	Freq	<i>288</i>
	TR	<i>720.0</i>	Phase	<i>192</i>
	Echo Train Length	<i>4</i>	Freq DIR	<i>Swap</i>
	Receiver Bandwidth	<i>25.00</i>	Fat Shift DIR	<i>Normal</i>
	IMAGE ENHANCE		NEX	<i>2.00</i>
	Filter Choice	<i>None</i>	# of Acq. Before Pause	<i>0</i>
	GATING/TRIGGER		Phase FOV	<i>1.00</i>
	Auto Trigger Type	<i>Off</i>	Auto Shim	<i>Auto</i>
	FMRI		Phase Correction	<i>No</i>
	PSD Trigger	<i>Internal</i>	USER CVS	
	Slice Order	<i>Interleaved</i>	User CV7	<i>1.00</i>
	View Order	<i>Bottom/Up</i>	User CV15	<i>2.00</i>
	# of Repetitions REST	<i>0</i>	User CV17	<i>1.00</i>
	# of Repetitions ACTIVE	<i>0</i>	User CV22	<i>1.00</i>
	SAT		TR Min	<i>300.0</i>
	Tag Type	<i>None</i>	TR Max	<i>750.0</i>
	TRICKS		MULTI-PHASE	
	Pause On/Off	<i>On</i>	Seperate Series	<i>0</i>
	Auto Subtract	<i>0</i>	Mask Phase	<i>0</i>
Auto SCIC	<i>2</i>	Mask Pause	<i>0</i>	
OTHERS		DIFFUSION		
Protocol Notes	<i>Prescribe anterior sat</i>	Recon All Images	<i>On</i>	
		CONTRAST		
		Contrast Yes/No	<i>No</i>	

Ax T1 FSE

Protocol: adult_spine_LUMBAR PEDIATRIC SCOLIOSIS FEET FIRST

+C Ax T1 FSE F/S	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>2D</i>
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>FSE-XL</i>
	Coil Configuration	<i>HNS by GE (TL)</i>	Imaging Options	<i>NPW, EDR, TRF, Fast, MRF</i>
	Plane	<i>OBLIQUE</i>	SCAN RANGE	
	Series Description	<i>+C Ax T1 FSE F/S</i>	FOV	<i>18.0</i>
	SCAN TIMING		Slice Thickness	<i>5.0</i>
	Flip Angle	<i>160</i>	Slice Spacing	<i>1.5</i>
	TE	<i>Min Full</i>	ACQ TIMING	
	Number of Echoes	<i>1</i>	Freq	<i>288</i>
	TR	<i>454.0</i>	Phase	<i>224</i>
	Echo Train Length	<i>4</i>	Freq DIR	<i>Swap</i>
	Receiver Bandwidth	<i>25.00</i>	Fat Shift DIR	<i>Normal</i>
	IMAGE ENHANCE		NEX	<i>1.00</i>
	Filter Choice	<i>None</i>	# of Acq. Before Pause	<i>0</i>
	GATING/TRIGGER		Phase FOV	<i>1.00</i>
	Auto Trigger Type	<i>Off</i>	Auto Shim	<i>Auto</i>
	FMRI		Phase Correction	<i>No</i>
	PSD Trigger	<i>Internal</i>	USER CVS	
	Slice Order	<i>Interleaved</i>	User CV15	<i>2.00</i>
	View Order	<i>Bottom/Up</i>	User CV17	<i>1.00</i>
	# of Repetitions REST	<i>0</i>	User CV19	<i>1.00</i>
	# of Repetitions ACTIVE	<i>0</i>	User CV22	<i>1.00</i>
	SAT		TR Min	<i>300.0</i>
	Tag Type	<i>None</i>	TR Max	<i>750.0</i>
Fat/Water Saturation	<i>Fat</i>	MULTI-PHASE		
TRICKS		Seperate Series	<i>0</i>	
Pause On/Off	<i>On</i>	Mask Phase	<i>0</i>	
Auto Subtract	<i>0</i>	Mask Pause	<i>0</i>	
Auto SCIC	<i>2</i>	DIFFUSION		
OTHERS		Recon All Images	<i>On</i>	
Protocol Notes	<i>Prescribe anterior sat</i>	CONTRAST		
		Contrast Yes/No	<i>Yes</i>	

+C Ax T1 FSE F/S

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	HNS by GE (TL)	Imaging Options	NPW, EDR, TRF, Fast, MRF
Plane	OBLIQUE	SCAN RANGE	
Series Description	+C Sag T1 FSE F/S	FOV	26.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	160	Slice Spacing	1.0
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	320
TR	566.0	Phase	224
Echo Train Length	4	Freq DIR	Swap
Receiver Bandwidth	27.78	Fat Shift DIR	Normal
IMAGE ENHANCE		NEX	2.00
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	
Slice Order	Interleaved	User CV15	2.00
View Order	Bottom/Up	User CV19	1.00
# of Repetitions REST	0	User CV21	2.00
# of Repetitions ACTIVE	0	User CV22	1.00
SAT		TR Min	300.0
SAT Location	S	TR Max	750.0
SAT Location	I	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

+C Sag T1 FSE F/S

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