

McLeod Pavilion

Protocol: adult\_pelvis\_BONY PELVIS

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>Body</i>	Imaging Options	<i>Seq, EDR, Fast, SS</i>
Plane	<i>3-PLANE</i>	SCAN RANGE	
Series Description	<i>3 Plane Localizer</i>	FOV	<i>40.0</i>
SCAN TIMING		Slice Thickness	<i>5.0</i>
TE	<i>80.0</i>	Slice Spacing	<i>5.0</i>
Number of Echoes	<i>1</i>	ACQ TIMING	
TR	<i>Minimum</i>	Freq	<i>256</i>
Receiver Bandwidth	<i>62.50</i>	Phase	<i>128</i>
IMAGE ENHANCE		Freq DIR	<i>Unswap</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	
View Order	<i>Bottom/Up</i>	User CV2	<i>240.00</i>
# of Repetitions REST	<i>0</i>	User CV13	<i>1.00</i>
# of Repetitions ACTIVE	<i>0</i>	MULTI-PHASE	
SAT		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>Off</i>	CONTRAST	
		Contrast Yes/No	<i>No</i>

3 Plane Localizer

3 Plane Localizer

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	<i>Feet First</i>	Imaging Mode	<i>3D</i>
Patient Position	<i>Supine</i>	Pulse Sequence	<i>SPGR</i>
Coil Configuration	<i>Body</i>	Imaging Options	<i>EDR, Fast, ZIP2, Calib</i>
Plane	<i>AXIAL</i>	<b>SCAN RANGE</b>	
Series Description	<i>Calibration</i>	FOV	<i>50.0</i>
<b>SCAN TIMING</b>		Slice Thickness	<i>10.0</i>
Number of Echoes	<i>1</i>	<b>ACQ TIMING</b>	
<b>IMAGE ENHANCE</b>		Freq DIR	<i>R/L</i>
Filter Choice	<i>None</i>	Auto Shim	<i>Auto</i>
<b>GATING/TRIGGER</b>		Phase Correction	<i>No</i>
Auto Trigger Type	<i>Off</i>	<b>FMRI</b>	
<b>MULTI-PHASE</b>		PSD Trigger	<i>Internal</i>
Seperate Series	<i>0</i>	View Order	<i>Bottom/Up</i>
Mask Phase	<i>0</i>	# of Repetitions REST	<i>0</i>
Mask Pause	<i>0</i>	# of Repetitions ACTIVE	<i>0</i>
<b>DIFFUSION</b>		<b>SAT</b>	
Recon All Images	<i>On</i>	Tag Type	<i>None</i>
<b>CONTRAST</b>		<b>TRICKS</b>	
Contrast Yes/No	<i>No</i>	Pause On/Off	<i>On</i>
		Auto Subtract	<i>0</i>
		Auto SCIC	<i>Off</i>

Calibration

Calibration

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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>Body</i>	Imaging Options	<i>FC, NPW, EDR, TRF, Fast, ARC</i>
Plane	<i>OBLIQUE</i>	<b>SCAN RANGE</b>	
Series Description	<i>AX T1 FSE LARGE FOV</i>	FOV	<i>34.0</i>
<b>SCAN TIMING</b>		Slice Thickness	<i>5.0</i>
Flip Angle	<i>111</i>	Slice Spacing	<i>1.5</i>
TE	<i>Min Full</i>	<b>ACQ TIMING</b>	
Number of Echoes	<i>1</i>	Freq	<i>384</i>
TR	<i>844.0</i>	Phase	<i>256</i>
Echo Train Length	<i>3</i>	Freq DIR	<i>R/L</i>
Receiver Bandwidth	<i>41.67</i>	Fat Shift DIR	<i>Normal (R)</i>
<b>IMAGE ENHANCE</b>		NEX	<i>3.00</i>
Filter Choice	<i>None</i>	Auto Shim	<i>Auto</i>
<b>GATING/TRIGGER</b>		Phase Correction	<i>Yes</i>
Auto Trigger Type	<i>Off</i>	Flow Direction Compensation	<i>Slice</i>
<b>FMRI</b>		<b>USER CVS</b>	
PSD Trigger	<i>Internal</i>	User CV22	<i>1.00</i>
View Order	<i>Bottom/Up</i>	TR Min	<i>400.0</i>
# of Repetitions REST	<i>0</i>	TR Max	<i>850.0</i>
# of Repetitions ACTIVE	<i>0</i>	<b>MULTI-PHASE</b>	
<b>SAT</b>		Seperate Series	<i>0</i>
Tag Type	<i>None</i>	Mask Phase	<i>0</i>
<b>TRICKS</b>		Mask Pause	<i>0</i>
Pause On/Off	<i>On</i>	<b>DIFFUSION</b>	
Auto Subtract	<i>0</i>	Recon All Images	<i>On</i>
Auto SCIC	<i>On</i>	<b>CONTRAST</b>	
		Contrast Yes/No	<i>No</i>

AX T1 FSE LARGE FOV

AX T1 FSE LARGE FOV

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AX FSE STIR LARGE FOV	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	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>Body</i>	Imaging Options	<i>NPW, Seq, EDR, TRF, Fast, ARC, IrP</i>
	Plane	<i>OBLIQUE</i>	PSD Name	<i>fse-xl</i>
	Series Description	<i>AX FSE STIR LARGE FOV</i>	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	<i>34.0</i>
	Flip Angle	<i>111</i>	Slice Thickness	<i>5.0</i>
	TE	<i>50.0</i>	Slice Spacing	<i>1.5</i>
	Number of Echoes	<i>1</i>	<b>ACQ TIMING</b>	
	TR	<i>5241.0</i>	Freq	<i>320</i>
	TI	<i>170</i>	Phase	<i>192</i>
	Echo Train Length	<i>7</i>	Freq DIR	<i>R/L</i>
	Receiver Bandwidth	<i>41.67</i>	Fat Shift DIR	<i>Normal (R)</i>
	<b>IMAGE ENHANCE</b>		NEX	<i>2.00</i>
	Filter Choice	<i>B</i>	Auto Shim	<i>Auto</i>
	<b>GATING/TRIGGER</b>		Phase Correction	<i>Yes</i>
	Auto Trigger Type	<i>Off</i>	<b>USER CVS</b>	
	<b>FMRI</b>		User CV22	<i>1.00</i>
	PSD Trigger	<i>Internal</i>	TR Min	<i>2000.0</i>
	View Order	<i>Bottom/Up</i>	TR Max	<i>15000.0</i>
	# of Repetitions REST	<i>0</i>	<b>MULTI-PHASE</b>	
	# of Repetitions ACTIVE	<i>0</i>	Seperate Series	<i>0</i>
	<b>SAT</b>		Mask Phase	<i>0</i>
	Tag Type	<i>None</i>	Mask Pause	<i>0</i>
<b>TRICKS</b>		<b>DIFFUSION</b>		
Pause On/Off	<i>On</i>	Recon All Images	<i>On</i>	
Auto Subtract	<i>0</i>	<b>CONTRAST</b>		
Auto SCIC	<i>Off</i>	Contrast Yes/No	<i>No</i>	

AX FSE STIR LARGE FOV

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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>Body</i>	Imaging Options	<i>FC, NPW, EDR, TRF, Fast, ARC</i>
Plane	<i>OBLIQUE</i>	<b>SCAN RANGE</b>	
Series Description	<i>COR T1 FSE LARGE FOV</i>	FOV	<i>34.0</i>
<b>SCAN TIMING</b>		Slice Thickness	<i>5.0</i>
Flip Angle	<i>111</i>	Slice Spacing	<i>1.5</i>
TE	<i>Min Full</i>	<b>ACQ TIMING</b>	
Number of Echoes	<i>1</i>	Freq	<i>384</i>
TR	<i>844.0</i>	Phase	<i>256</i>
Echo Train Length	<i>3</i>	Freq DIR	<i>S/I</i>
Receiver Bandwidth	<i>41.67</i>	Fat Shift DIR	<i>Normal (I)</i>
<b>IMAGE ENHANCE</b>		NEX	<i>3.00</i>
Filter Choice	<i>None</i>	Auto Shim	<i>Auto</i>
<b>GATING/TRIGGER</b>		Phase Correction	<i>Yes</i>
Auto Trigger Type	<i>Off</i>	Flow Direction Compensation	<i>Slice</i>
<b>FMRI</b>		<b>USER CVS</b>	
PSD Trigger	<i>Internal</i>	User CV22	<i>1.00</i>
View Order	<i>Bottom/Up</i>	TR Min	<i>400.0</i>
# of Repetitions REST	<i>0</i>	TR Max	<i>850.0</i>
# of Repetitions ACTIVE	<i>0</i>	<b>MULTI-PHASE</b>	
<b>SAT</b>		Seperate Series	<i>0</i>
Tag Type	<i>None</i>	Mask Phase	<i>0</i>
<b>TRICKS</b>		Mask Pause	<i>0</i>
Pause On/Off	<i>On</i>	<b>DIFFUSION</b>	
Auto Subtract	<i>0</i>	Recon All Images	<i>On</i>
Auto SCIC	<i>On</i>	<b>CONTRAST</b>	
		Contrast Yes/No	<i>No</i>

COR T1 FSE LARGE FOV

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COR FSE STIR LARGE FOV	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	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>Body</i>	Imaging Options	<i>NPW, Seq, EDR, TRF, Fast, ARC, IrP</i>
	Plane	<i>OBLIQUE</i>	PSD Name	<i>fse-xl</i>
	Series Description	<i>COR FSE STIR LARGE FOV</i>	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	<i>34.0</i>
	Flip Angle	<i>111</i>	Slice Thickness	<i>5.0</i>
	TE	<i>50.0</i>	Slice Spacing	<i>1.5</i>
	Number of Echoes	<i>1</i>	<b>ACQ TIMING</b>	
	TR	<i>5241.0</i>	Freq	<i>320</i>
	TI	<i>170</i>	Phase	<i>192</i>
	Echo Train Length	<i>7</i>	Freq DIR	<i>S/I</i>
	Receiver Bandwidth	<i>41.67</i>	Fat Shift DIR	<i>Normal (I)</i>
	<b>IMAGE ENHANCE</b>		NEX	<i>2.00</i>
	Filter Choice	<i>B</i>	Auto Shim	<i>Auto</i>
	<b>GATING/TRIGGER</b>		Phase Correction	<i>Yes</i>
	Auto Trigger Type	<i>Off</i>	<b>USER CVS</b>	
	<b>FMRI</b>		User CV22	<i>1.00</i>
	PSD Trigger	<i>Internal</i>	TR Min	<i>2000.0</i>
	View Order	<i>Bottom/Up</i>	TR Max	<i>15000.0</i>
	# of Repetitions REST	<i>0</i>	<b>MULTI-PHASE</b>	
	# of Repetitions ACTIVE	<i>0</i>	Seperate Series	<i>0</i>
	<b>SAT</b>		Mask Phase	<i>0</i>
	Tag Type	<i>None</i>	Mask Pause	<i>0</i>
	<b>TRICKS</b>		<b>DIFFUSION</b>	
	Pause On/Off	<i>On</i>	Recon All Images	<i>On</i>
	Auto Subtract	<i>0</i>	<b>CONTRAST</b>	
Auto SCIC	<i>Off</i>	Contrast Yes/No	<i>No</i>	

COR FSE STIR LARGE FOV

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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>Body</i>	Imaging Options	<i>FC, NPW, EDR, TRF, Fast, FR</i>
Plane	<i>OBLIQUE</i>		
Series Description	<i>SAG PD frFSE F/S</i>		
SCAN TIMING		SCAN RANGE	
Flip Angle	<i>111</i>	FOV	<i>34.0</i>
TE	<i>40.0</i>	Slice Thickness	<i>5.0</i>
Number of Echoes	<i>1</i>	Slice Spacing	<i>1.5</i>
TR	<i>1950.0</i>		
Echo Train Length	<i>8</i>	ACQ TIMING	
Receiver Bandwidth	<i>31.25</i>	Freq	<i>320</i>
		Phase	<i>192</i>
		Freq DIR	<i>S/I</i>
		Fat Shift DIR	<i>Normal (S)</i>
		NEX	<i>3.00</i>
		Auto Shim	<i>Auto</i>
		Phase Correction	<i>Yes</i>
		Flow Direction	<i>Freq</i>
		Compensation	
IMAGE ENHANCE		USER CVS	
Filter Choice	<i>A</i>	User CV19	<i>1.00</i>
		User CV21	<i>1.00</i>
		User CV22	<i>1.00</i>
		TR Min	<i>1800.0</i>
		TR Max	<i>11000.0</i>
GATING/TRIGGER		MULTI-PHASE	
Auto Trigger Type	<i>Off</i>	Seperate Series	<i>0</i>
		Mask Phase	<i>0</i>
		Mask Pause	<i>0</i>
FMRI		DIFFUSION	
PSD Trigger	<i>Internal</i>	Recon All Images	<i>On</i>
View Order	<i>Bottom/Up</i>		
# of Repetitions REST	<i>0</i>	CONTRAST	
# of Repetitions ACTIVE	<i>0</i>	Contrast Yes/No	<i>No</i>
SAT			
Tag Type	<i>None</i>		
Fat/Water Saturation	<i>Fat Classic</i>		
TRICKS			
Pause On/Off	<i>On</i>		
Auto Subtract	<i>0</i>		
Auto SCIC	<i>On</i>		

SAG PD frFSE F/S

SAG PD frFSE F/S

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*IF CONTRAST*	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Feet 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	<b>SCAN RANGE</b>	
	Series Description	*IF CONTRAST*	FOV	30.0
	<b>SCAN TIMING</b>		Slice Thickness	10.0
	TE	80.0	Slice Spacing	5.0
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	1000.0	Freq	256
	Receiver Bandwidth	83.33	Phase	128
	<b>IMAGE ENHANCE</b>		Freq DIR	Unswap
	Filter Choice	None	# of Acq. Before Pause	0
	<b>GATING/TRIGGER</b>		Phase FOV	1.00
	Auto Trigger Type	Off	Auto Shim	Auto
<b>MULTI-PHASE</b>		Phase Correction	No	
Seperate Series	0	<b>FMRI</b>		
Mask Phase	0	PSD Trigger	Internal	
Mask Pause	0	Slice Order	Interleaved	
<b>DIFFUSION</b>		View Order	Bottom/Up	
Recon All Images	On	# of Repetitions REST	0	
<b>CONTRAST</b>		# of Repetitions ACTIVE	0	
Contrast Yes/No	No	<b>SAT</b>		
		Tag Type	None	
		<b>TRICKS</b>		
		Pause On/Off	On	
		Auto Subtract	0	
		Auto SCIC	Off	
		<b>OTHERS</b>		
		Protocol Notes	<p><i>Important Tip:                      Improve Head SAR performance will be seen with during a brain exam if the SSFSE localizer calculation is lower than 3.2 W/kg                      Keep the TR at 1000 msec in order to lower SAR estimations</i></p>	

WB-SAR: 0.68 Head-SAR: 2.0



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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>Body</i>	Imaging Options	<i>FC, NPW, EDR, TRF, Fast, ARC</i>
Plane	<i>OBLIQUE</i>	<b>SCAN RANGE</b>	
Series Description	<i>AX T1 FSE F/S PRE AND POST</i>	FOV	<i>34.0</i>
<b>SCAN TIMING</b>		Slice Thickness	<i>5.0</i>
Flip Angle	<i>111</i>	Slice Spacing	<i>1.5</i>
TE	<i>Min Full</i>	<b>ACQ TIMING</b>	
Number of Echoes	<i>1</i>	Freq	<i>384</i>
TR	<i>589.0</i>	Phase	<i>256</i>
Echo Train Length	<i>3</i>	Freq DIR	<i>R/L</i>
Receiver Bandwidth	<i>41.67</i>	Fat Shift DIR	<i>Normal (R)</i>
<b>IMAGE ENHANCE</b>		NEX	<i>3.00</i>
Filter Choice	<i>None</i>	# of Acq. Before Pause	<i>0</i>
<b>GATING/TRIGGER</b>		Auto Shim	<i>Auto</i>
Auto Trigger Type	<i>Off</i>	Phase Correction	<i>Yes</i>
<b>FMRI</b>		Flow Direction Compensation	<i>Slice</i>
PSD Trigger	<i>Internal</i>	<b>USER CVS</b>	
View Order	<i>Bottom/Up</i>	User CV19	<i>1.00</i>
# of Repetitions REST	<i>0</i>	User CV22	<i>1.00</i>
# of Repetitions ACTIVE	<i>0</i>	TR Min	<i>400.0</i>
<b>SAT</b>		TR Max	<i>850.0</i>
Tag Type	<i>None</i>	<b>MULTI-PHASE</b>	
Fat/Water Saturation	<i>Fat</i>	Seperate Series	<i>0</i>
<b>TRICKS</b>		Mask Phase	<i>0</i>
Pause On/Off	<i>On</i>	Mask Pause	<i>0</i>
Auto Subtract	<i>0</i>	<b>DIFFUSION</b>	
Auto SCIC	<i>On</i>	Recon All Images	<i>On</i>
		<b>CONTRAST</b>	
		Contrast Yes/No	<i>Yes</i>

AX T1 FSE F/S PRE AND POST

AX T1 FSE F/S PRE AND POST

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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>Body</i>	Imaging Options	<i>FC, NPW, EDR, TRF, Fast, ARC</i>
Plane	<i>OBLIQUE</i>	<b>SCAN RANGE</b>	
Series Description	<i>COR T1 FSE F/S POST</i>	FOV	<i>34.0</i>
<b>SCAN TIMING</b>		Slice Thickness	<i>5.0</i>
Flip Angle	<i>111</i>	Slice Spacing	<i>1.5</i>
TE	<i>Min Full</i>	<b>ACQ TIMING</b>	
Number of Echoes	<i>1</i>	Freq	<i>384</i>
TR	<i>589.0</i>	Phase	<i>256</i>
Echo Train Length	<i>3</i>	Freq DIR	<i>S/I</i>
Receiver Bandwidth	<i>41.67</i>	Fat Shift DIR	<i>Normal (I)</i>
<b>IMAGE ENHANCE</b>		NEX	<i>3.00</i>
Filter Choice	<i>None</i>	# of Acq. Before Pause	<i>0</i>
<b>GATING/TRIGGER</b>		Auto Shim	<i>Auto</i>
Auto Trigger Type	<i>Off</i>	Phase Correction	<i>Yes</i>
<b>FMRI</b>		Flow Direction	<i>Slice</i>
PSD Trigger	<i>Internal</i>	Compensation	
View Order	<i>Bottom/Up</i>	<b>USER CVS</b>	
# of Repetitions REST	<i>0</i>	User CV19	<i>1.00</i>
# of Repetitions ACTIVE	<i>0</i>	User CV22	<i>1.00</i>
<b>SAT</b>		TR Min	<i>400.0</i>
Tag Type	<i>None</i>	TR Max	<i>850.0</i>
Fat/Water Saturation	<i>Fat</i>	<b>MULTI-PHASE</b>	
<b>TRICKS</b>		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>On</i>	<b>DIFFUSION</b>	
		Recon All Images	<i>On</i>
		<b>CONTRAST</b>	
		Contrast Yes/No	<i>No</i>

COR T1 FSE F/S POST

COR T1 FSE F/S POST