

McLeod Pavilion

Protocol: adult_pelvis_RECTAL CA

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, TRF, Fast, SS, FR, ARC</i>
Plane	<i>3-PLANE</i>	SCAN RANGE	
Series Description	<i>3-Plane Localizer</i>	FOV	<i>42.0</i>
SCAN TIMING		Slice Thickness	<i>8.0</i>
TE	<i>80.0</i>	Slice Spacing	<i>5.0</i>
Number of Echoes	<i>1</i>	ACQ TIMING	
TR	<i>1200.0</i>	Freq	<i>320</i>
Receiver Bandwidth	<i>83.33</i>	Phase	<i>160</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 CV1	<i>1.00</i>
# of Repetitions REST	<i>0</i>	MULTI-PHASE	
# of Repetitions ACTIVE	<i>0</i>	Seperate Series	<i>0</i>
SAT		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>

3-Plane Localizer

3-Plane Localizer

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AX T1 WHOLE PELVIS	PATIENT POSITION		IMAGING PARAMETERS		AX T1 WHOLE PELVIS
	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, EDR, TRF, Fast, ARC</i>	
	Plane	<i>OBLIQUE</i>	SCAN RANGE		
	Series Description	<i>AX T1 WHOLE PELVIS</i>	FOV	<i>40.0</i>	
	SCAN TIMING		Slice Thickness	<i>8.0</i>	
	Flip Angle	<i>111</i>	Slice Spacing	<i>2.0</i>	
	TE	<i>Min Full</i>	ACQ TIMING		
	Number of Echoes	<i>1</i>	Freq	<i>320</i>	
	TR	<i>650.0</i>	Phase	<i>224</i>	
	Echo Train Length	<i>4</i>	Freq DIR	<i>A/P</i>	
	Receiver Bandwidth	<i>35.71</i>	Fat Shift DIR	<i>Normal (A)</i>	
	IMAGE ENHANCE		NEX	<i>3.00</i>	
	Filter Choice	<i>None</i>	# of Acq. Before Pause	<i>0</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 CV22	<i>1.00</i>	
	View Order	<i>Bottom/Up</i>	TR Min	<i>650.0</i>	
	# of Repetitions REST	<i>0</i>	TR Max	<i>975.0</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>2</i>	TRACKER			
CONTRAST		Tracker Length	<i>200.0</i>		
Contrast Yes/No	<i>No</i>	Tracker Thickness	<i>20.0</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>Spin Echo</i>
Coil Configuration	<i>Body</i>	Imaging Options	<i>EPI, DIFF, Asset</i>
Plane	<i>AXIAL</i>	SCAN RANGE	
Series Description	<i>Ax DWI All B-50/500/800</i>	FOV	<i>34.0</i>
SCAN TIMING		Slice Thickness	<i>4.0</i>
TE	<i>Minimum</i>	Slice Spacing	<i>0.0</i>
Number of Echoes	<i>1</i>	ACQ TIMING	
TR	<i>5633.0</i>	Freq	<i>96</i>
Number of Shots	<i>1</i>	Phase	<i>96</i>
IMAGE ENHANCE		Freq DIR	<i>R/L</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>Yes</i>
FMRI		USER CVS	
PSD Trigger	<i>Internal</i>	User CV0	<i>1.00</i>
Slice Order	<i>Interleaved</i>	User CV5	<i>1.00</i>
View Order	<i>Bottom/Up</i>	User CV17	<i>1.00</i>
# of Repetitions REST	<i>0</i>	User CV18	<i>1.00</i>
# of Repetitions ACTIVE	<i>0</i>	TR Min	<i>3000.0</i>
SAT		TR Max	<i>17000.0</i>
Tag Type	<i>None</i>	MULTI-PHASE	
Fat/Water Saturation	<i>Fat</i>	Seperate Series	<i>0</i>
TRICKS		Mask Phase	<i>0</i>
Pause On/Off	<i>On</i>	Mask Pause	<i>0</i>
Auto Subtract	<i>0</i>	DIFFUSION	
Auto SCIC	<i>2</i>	Optimized TE	<i>Yes</i>
		Diffusion Directions	<i>All</i>
		Number of Diffusion Directions	<i>3</i>
		Number of T2 Images	<i>0</i>
		Dual Spin Echo	<i>Off</i>
		Recon All Images	<i>On</i>
		CONTRAST	
		Contrast Yes/No	<i>No</i>

Ax DWI All B-50/500/800

Ax DWI All B-50/500/800

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Body	Imaging Options	NPW, EDR, TRF, Fast, FR
Plane	OBLIQUE	SCAN RANGE	
Series Description	SAG T2	FOV	24.0
SCAN TIMING		Slice Thickness	3.0
Flip Angle	170	Slice Spacing	0.5
TE	160.0	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	4102.0	Phase	224
Echo Train Length	24	Freq DIR	S/I
Receiver Bandwidth	31.25	Fat Shift DIR	Normal (S)
IMAGE ENHANCE		NEX	2.00
Filter Choice	None	# of Acq. Before Pause	0
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	Yes
FMRI		USER CVS	
PSD Trigger	Internal	User CV8	1.00
View Order	Bottom/Up	User CV15	1.00
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	TR Min	2500.0
SAT		TR Max	11000.0
SAT Location	A	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	TRACKER	
Auto SCIC	2	Tracker Length	200.0
CONTRAST		Tracker Thickness	20.0
Contrast Yes/No	No		

SAG T2

SAG T2

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AX T2 sm fov	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>NPW, EDR, TRF, Fast, ZIP512, ARC</i>
	Plane	<i>OBLIQUE</i>	SCAN RANGE	
	Series Description	<i>AX T2 sm fov</i>	FOV	<i>22.0</i>
	SCAN TIMING		Slice Thickness	<i>3.0</i>
	Flip Angle	<i>170</i>	Slice Spacing	<i>0.5</i>
	TE	<i>160.0</i>	ACQ TIMING	
	Number of Echoes	<i>1</i>	Freq	<i>224</i>
	TR	<i>7692.0</i>	Phase	<i>224</i>
	Echo Train Length	<i>23</i>	Freq DIR	<i>A/P</i>
	Receiver Bandwidth	<i>35.71</i>	Fat Shift DIR	<i>Reversed (P)</i>
	IMAGE ENHANCE		NEX	<i>2.00</i>
	Filter Choice	<i>B</i>	# of Acq. Before Pause	<i>0</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>
	View Order	<i>Bottom/Up</i>	User CV18	<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>2500.0</i>
	SAT		TR Max	<i>11000.0</i>
	SAT Location	<i>A</i>	MULTI-PHASE	
SAT Location	<i>S</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>	TRACKER		
CONTRAST		Tracker Length	<i>200.0</i>	
Contrast Yes/No	<i>No</i>	Tracker Thickness	<i>20.0</i>	

AX T2 sm fov

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COR T2 sm fov	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>NPW, EDR, TRF, Fast, FR</i>
	Plane	<i>OBLIQUE</i>	SCAN RANGE	
	Series Description	<i>COR T2 sm fov</i>	FOV	<i>22.0</i>
	SCAN TIMING		Slice Thickness	<i>3.0</i>
	Flip Angle	<i>170</i>	Slice Spacing	<i>0.5</i>
	TE	<i>160.0</i>	ACQ TIMING	
	Number of Echoes	<i>1</i>	Freq	<i>288</i>
	TR	<i>6600.0</i>	Phase	<i>224</i>
	Echo Train Length	<i>25</i>	Freq DIR	<i>S/I</i>
	Receiver Bandwidth	<i>31.25</i>	Fat Shift DIR	<i>Normal (I)</i>
	IMAGE ENHANCE		NEX	<i>2.00</i>
	Filter Choice	<i>None</i>	# of Acq. Before Pause	<i>0</i>
	GATING/TRIGGER		Auto Shim	<i>Auto</i>
	Auto Trigger Type	<i>Off</i>	Phase Correction	<i>Yes</i>
	FMRI		USER CVS	
	PSD Trigger	<i>Internal</i>	User CV8	<i>1.00</i>
	View Order	<i>Bottom/Up</i>	User CV15	<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>2500.0</i>
	SAT		TR Max	<i>11000.0</i>
	SAT Location	<i>A</i>	MULTI-PHASE	
	SAT Location	<i>S</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>	TRACKER		
CONTRAST		Tracker Length	<i>200.0</i>	
Contrast Yes/No	<i>No</i>	Tracker Thickness	<i>20.0</i>	

COR T2 sm fov

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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>Cube</i>
Coil Configuration	<i>Body</i>	Imaging Options	<i>FC, EDR, Fast, FR, ARC</i>
Plane	<i>AXIAL</i>	SCAN RANGE	
Series Description	<i>3D Ax T2 Cube</i>	FOV	<i>42.0</i>
SCAN TIMING		Slice Thickness	<i>2.4</i>
TE	<i>80.0</i>	Location per Slab	<i>76</i>
Number of Echoes	<i>1</i>	Overlap Locations	<i>0</i>
TR	<i>2000.0</i>	ACQ TIMING	
Echo Train Length	<i>120</i>	Freq	<i>320</i>
Receiver Bandwidth	<i>100.00</i>	Phase	<i>320</i>
IMAGE ENHANCE		Freq DIR	<i>A/P</i>
Filter Choice	<i>None</i>	NEX	<i>2.00</i>
GATING/TRIGGER		Phase FOV	<i>1.00</i>
Auto Trigger Type	<i>Off</i>	Auto Shim	<i>Auto</i>
MULTI-PHASE		Phase Correction	<i>No</i>
Seperate Series	<i>0</i>	Flow Direction	<i>Freq</i>
Mask Phase	<i>0</i>	Compensation	
Mask Pause	<i>0</i>	FMRI	
DIFFUSION		PSD Trigger	<i>Internal</i>
Recon All Images	<i>On</i>	View Order	<i>Bottom/Up</i>
CONTRAST		# of Repetitions REST	<i>0</i>
Contrast Yes/No	<i>No</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>2</i>

3D Ax T2 Cube

3D Ax T2 Cube

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3D ax LAVA Flex	PATIENT POSITION		IMAGING PARAMETERS		3D ax LAVA Flex
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>3D</i>	
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>LAVA</i>	
	Coil Configuration	<i>Body</i>	Imaging Options	<i>EDR, Fast, ZIP2, ARC, Flex</i>	
	Plane	<i>AXIAL</i>	IDEAL	<i>15</i>	
	Series Description	<i>3D ax LAVA Flex</i>	SCAN RANGE		
	SCAN TIMING		FOV	<i>44.0</i>	
	Flip Angle	<i>12</i>	Slice Thickness	<i>4.4</i>	
	TE	<i>Minimum</i>	Location per Slab	<i>56</i>	
	Number of Echoes	<i>2</i>	Overlap Locations	<i>0</i>	
	Receiver Bandwidth	<i>142.86</i>	ACQ TIMING		
	IMAGE ENHANCE		Freq	<i>300</i>	
	Filter Choice	<i>A</i>	Phase	<i>200</i>	
	GATING/TRIGGER		Freq DIR	<i>R/L</i>	
	Auto Trigger Type	<i>Off</i>	NEX	<i>1.00</i>	
	FMRI		Phase FOV	<i>1.00</i>	
	PSD Trigger	<i>Internal</i>	Auto Shim	<i>Auto</i>	
	View Order	<i>Bottom/Up</i>	Phase Correction	<i>No</i>	
	# of Repetitions REST	<i>0</i>	USER CVS		
	# of Repetitions ACTIVE	<i>0</i>	User CV4	<i>6.60</i>	
	SAT		User CV6	<i>1.00</i>	
	Tag Type	<i>None</i>	MULTI-PHASE		
	TRICKS		Seperate Series	<i>0</i>	
	Pause On/Off	<i>On</i>	Trigger Delay without AV	<i>6.6</i>	
	Auto Subtract	<i>0</i>	Mask Phase	<i>0</i>	
Auto SCIC	<i>2</i>	Mask Pause	<i>0</i>		
		DIFFUSION			
		Recon All Images	<i>On</i>		
		CONTRAST			
		Contrast Yes/No	<i>No</i>		

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Protocol: adult_pelvis_RECTAL CA

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Body	Imaging Options	NPW, EDR, TRF, Fast, ZIP512
Plane	AXIAL		
Series Description	AX T1 SE F/S POST		
SCAN TIMING		SCAN RANGE	
Flip Angle	111	FOV	22.0
TE	Min Full	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	1.0
TR	747.0		
Echo Train Length	4	ACQ TIMING	
Receiver Bandwidth	27.78	Freq	256
		Phase	192
		Freq DIR	R/L
		Fat Shift DIR	Normal (L)
		NEX	2.00
		# of Acq. Before Pause	0
		Auto Shim	Auto
		Phase Correction	No
IMAGE ENHANCE		USER CVS	
Filter Choice	None	User CV19	1.00
		User CV22	1.00
		TR Min	400.0
		TR Max	850.0
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		TRACKER	
Tag Type	None	Tracker Length	200.0
Fat/Water Saturation	Fat	Tracker Thickness	20.0
TRICKS			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	Off		
CONTRAST			
Contrast Yes/No	Yes		

AX T1 SE F/S POST

AX T1 SE F/S POST

McLeod Pavilion

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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>NPW, EDR, TRF, Fast, ARC</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>AX T1 WHOLE PELVIS POST</i>	FOV	<i>40.0</i>
SCAN TIMING		Slice Thickness	<i>8.0</i>
Flip Angle	<i>111</i>	Slice Spacing	<i>2.0</i>
TE	<i>Min Full</i>	ACQ TIMING	
Number of Echoes	<i>1</i>	Freq	<i>320</i>
TR	<i>819.0</i>	Phase	<i>192</i>
Echo Train Length	<i>4</i>	Freq DIR	<i>A/P</i>
Receiver Bandwidth	<i>35.71</i>	Fat Shift DIR	<i>Normal (A)</i>
IMAGE ENHANCE		NEX	<i>3.00</i>
Filter Choice	<i>None</i>	# of Acq. Before Pause	<i>0</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 CV19	<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>650.0</i>
# of Repetitions ACTIVE	<i>0</i>	TR Max	<i>975.0</i>
SAT		MULTI-PHASE	
Tag Type	<i>None</i>	Seperate Series	<i>0</i>
Fat/Water Saturation	<i>Fat</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>	TRACKER	
CONTRAST		Tracker Length	<i>200.0</i>
Contrast Yes/No	<i>Yes</i>	Tracker Thickness	<i>20.0</i>

AX T1 WHOLE PELVIS POST

AX T1 WHOLE PELVIS POST

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	Body	Imaging Options	NPW, EDR, TRF, Fast, ZIP512
Plane	OBLIQUE		
Series Description	SAG T1 SE F/S POST		
SCAN TIMING		SCAN RANGE	
Flip Angle	111	FOV	24.0
TE	Min Full	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	0.5
TR	682.0		
Echo Train Length	4	ACQ TIMING	
Receiver Bandwidth	27.78	Freq	256
		Phase	192
		Freq DIR	S/I
		Fat Shift DIR	Normal (S)
		NEX	2.00
		# of Acq. Before Pause	0
		Auto Shim	Auto
		Phase Correction	No
IMAGE ENHANCE		USER CVS	
Filter Choice	None	User CV19	1.00
		User CV22	1.00
		TR Min	400.0
		TR Max	850.0
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		TRACKER	
Tag Type	None	Tracker Length	200.0
Fat/Water Saturation	Fat	Tracker Thickness	20.0
TRICKS			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	Off		
CONTRAST			
Contrast Yes/No	Yes		

SAG T1 SE F/S POST

SAG T1 SE F/S POST