

Protocol: adult_pelvis_RECTAL CA

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	HD 8Ch Body Array by GE	Imaging Options	Seq, EDR, Fast, SS, ARC
Plane	3-PLANE	SCAN RANGE	
Series Description	LOC	FOV	48.0
SCAN TIMING		Slice Thickness	8.0
TE	80.0	Slice Spacing	0.0
Number of Echoes	1	ACQ TIMING	
TR	Minimum	Freq	352
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	
Slice Order	Interleaved	User CV2	240.00
View Order	Bottom/Up	MULTI-PHASE	
# of Repetitions REST	0	Seperate Series	0
# of Repetitions ACTIVE	0	Mask Phase	0
SAT		Mask Pause	0
Tag Type	None	DIFFUSION	
TRICKS		Recon All Images	On
Pause On/Off	On	CONTRAST	
Auto Subtract	0	Contrast Yes/No	No
Auto SCIC	Off		
OTHERS			
Protocol Notes	<p><i>This protocol is built based on Express coil suite. Please select the appropriate coil which is available in your site and optimizing the parameters accordingly.</i></p>		

Protocol: adult_pelvis_RECTAL CA

Ax T1 WHOLE PELVIS	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>HD 8Ch Body Array by GE</i>	Imaging Options	<i>NPW, EDR, TRF, Fast, ARC, MRF</i>
	Plane	<i>AXIAL</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>160</i>	Slice Spacing	<i>1.0</i>
	TE	<i>Min Full</i>	ACQ TIMING	
	Number of Echoes	<i>1</i>	Freq	<i>512</i>
	TR	<i>650.0</i>	Phase	<i>256</i>
	Echo Train Length	<i>3</i>	Freq DIR	<i>A/P</i>
	Receiver Bandwidth	<i>50.00</i>	Fat Shift DIR	<i>Normal (A)</i>
	IMAGE ENHANCE		NEX	<i>2.00</i>
	Filter Choice	<i>A</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 CV7	<i>1.00</i>
	Slice Order	<i>Interleaved</i>	User CV17	<i>1.00</i>
	View Order	<i>Bottom/Up</i>	User CV22	<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>2</i>	Contrast Yes/No	<i>No</i>	

Ax T1 WHOLE PELVIS

Protocol: adult_pelvis_RECTAL CA

Ax T1 F/S WHOLE PELVIS	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>HD 8Ch Body Array by GE</i>	Imaging Options	<i>NPW, EDR, TRF, Fast, ARC, MRF</i>
	Plane	<i>AXIAL</i>	SCAN RANGE	
	Series Description	<i>Ax T1 F/S WHOLE PELVIS</i>	FOV	<i>40.0</i>
	SCAN TIMING		Slice Thickness	<i>8.0</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>512</i>
	TR	<i>650.0</i>	Phase	<i>256</i>
	Echo Train Length	<i>3</i>	Freq DIR	<i>A/P</i>
	Receiver Bandwidth	<i>50.00</i>	Fat Shift DIR	<i>Normal (A)</i>
	IMAGE ENHANCE		NEX	<i>2.00</i>
	Filter Choice	<i>A</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 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		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>	CONTRAST		
		Contrast Yes/No	<i>No</i>	

Ax T1 F/S WHOLE PELVIS

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>FSE-XL</i>
Coil Configuration	<i>HD 8Ch Body Array by GE</i>	Imaging Options	<i>NPW, EDR, TRF, Fast, ARC, MRF</i>
Plane	<i>AXIAL</i>	SCAN RANGE	
Series Description	<i>CORONAL T1 WHOLE PELVIS</i>	FOV	<i>40.0</i>
SCAN TIMING		Slice Thickness	<i>8.0</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>512</i>
TR	<i>650.0</i>	Phase	<i>256</i>
Echo Train Length	<i>3</i>	Freq DIR	<i>A/P</i>
Receiver Bandwidth	<i>50.00</i>	Fat Shift DIR	<i>Normal (A)</i>
IMAGE ENHANCE		NEX	<i>2.00</i>
Filter Choice	<i>A</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 CV7	<i>1.00</i>
Slice Order	<i>Interleaved</i>	User CV17	<i>1.00</i>
View Order	<i>Bottom/Up</i>	User CV22	<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>2</i>	Contrast Yes/No	<i>No</i>

CORONAL T1 WHOLE PELVIS

CORONAL T1 WHOLE PELVIS

Protocol: adult_pelvis_RECTAL CA

CORONAL T1 WHOLE PELVISF/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>HD 8Ch Body Array by GE</i>	Imaging Options	<i>NPW, EDR, TRF, Fast, ARC, MRF</i>
	Plane	<i>AXIAL</i>	SCAN RANGE	
	Series Description	<i>CORONAL T1 WHOLE PELVISF/S</i>	FOV	<i>40.0</i>
	SCAN TIMING		Slice Thickness	<i>8.0</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>512</i>
	TR	<i>650.0</i>	Phase	<i>256</i>
	Echo Train Length	<i>3</i>	Freq DIR	<i>A/P</i>
	Receiver Bandwidth	<i>50.00</i>	Fat Shift DIR	<i>Normal (A)</i>
	IMAGE ENHANCE		NEX	<i>2.00</i>
	Filter Choice	<i>A</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 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		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>	CONTRAST		
		Contrast Yes/No	<i>No</i>	

CORONAL T1 WHOLE PELVISF/S

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>HD 8Ch Body Array by GE</i>	Imaging Options	<i>EPI, DIFF, Asset</i>
Plane	<i>AXIAL</i>	SCAN RANGE	
Series Description	<i>Ax DW</i>	FOV	<i>40.0</i>
SCAN TIMING		Slice Thickness	<i>7.0</i>
TE	<i>Minimum</i>	Slice Spacing	<i>1.5</i>
Number of Echoes	<i>1</i>	ACQ TIMING	
Number of Shots	<i>1</i>	Freq	<i>80</i>
IMAGE ENHANCE		Phase	<i>128</i>
Filter Choice	<i>None</i>	Freq DIR	<i>R/L</i>
GATING/TRIGGER		Phase FOV	<i>1.00</i>
Auto Trigger Type	<i>Off</i>	Auto Shim	<i>Auto</i>
FMRI		Phase Correction	<i>Yes</i>
PSD Trigger	<i>Internal</i>	USER CVS	
Slice Order	<i>Interleaved</i>	User CV0	<i>1.00</i>
View Order	<i>Bottom/Up</i>	User CV1	<i>1.00</i>
# of Repetitions REST	<i>0</i>	User CV9	<i>1.00</i>
# of Repetitions ACTIVE	<i>0</i>	User CV17	<i>1.00</i>
SAT		MULTI-PHASE	
Tag Type	<i>None</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>64</i>
		Number of Diffusion Directions	<i>1</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 DW

Ax DW

Protocol: adult_pelvis_RECTAL CA

Ax T2 frFSE THIN	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>HD 8Ch Body Array by GE</i>	Imaging Options	<i>NPW, TRF, Fast, FR, MRF</i>
	Plane	<i>AXIAL</i>	SCAN RANGE	
	Series Description	<i>Ax T2 frFSE THIN</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>2751.0</i>	Phase	<i>224</i>
	Echo Train Length	<i>23</i>	Freq DIR	<i>A/P</i>
	Receiver Bandwidth	<i>31.25</i>	Fat Shift DIR	<i>Normal (A)</i>
	IMAGE ENHANCE		NEX	<i>2.00</i>
	Filter Choice	<i>A</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 CV22	<i>1.00</i>
	View Order	<i>Bottom/Up</i>	TR Min	<i>2500.0</i>
	# of Repetitions REST	<i>0</i>	TR Max	<i>11000.0</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>Off</i>	CONTRAST		
		Contrast Yes/No	<i>No</i>	

Ax T2 frFSE THIN

Protocol: adult_pelvis_RECTAL CA

Ax T2 FATSAT THIN	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>HD 8Ch Body Array by GE</i>	Imaging Options	<i>NPW, TRF, Fast, FR, MRF</i>
	Plane	<i>AXIAL</i>	SCAN RANGE	
	Series Description	<i>Ax T2 FATSAT THIN</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>3132.0</i>	Phase	<i>224</i>
	Echo Train Length	<i>23</i>	Freq DIR	<i>A/P</i>
	Receiver Bandwidth	<i>31.25</i>	Fat Shift DIR	<i>Normal (A)</i>
	IMAGE ENHANCE		NEX	<i>2.00</i>
	Filter Choice	<i>A</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 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>2500.0</i>
	# of Repetitions ACTIVE	<i>0</i>	TR Max	<i>11000.0</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>Off</i>	CONTRAST		
		Contrast Yes/No	<i>No</i>	

Ax T2 FATSAT THIN

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	HD 8Ch Body Array by GE	Imaging Options	NPW, TRF, Fast, FR, MRF
Plane	SAGITTAL	SCAN RANGE	
Series Description	Sag T2 frFSE THIN	FOV	24.0
SCAN TIMING		Slice Thickness	3.0
Flip Angle	180	Slice Spacing	0.5
TE	120.0	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	4719.0	Phase	224
Echo Train Length	23	Freq DIR	A/P
Receiver Bandwidth	20.83	Fat Shift DIR	Normal (P)
IMAGE ENHANCE		NEX	2.00
Filter Choice	A	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Auto
Auto Trigger Type	Off	Phase Correction	No
FMRI		USER CVS	
PSD Trigger	Internal	User CV22	1.00
Slice Order	Interleaved	TR Min	2500.0
View Order	Bottom/Up	TR Max	11000.0
# of Repetitions REST	0	MULTI-PHASE	
# of Repetitions ACTIVE	0	Seperate Series	0
SAT		Mask Phase	0
Tag Type	None	Mask Pause	0
TRICKS		DIFFUSION	
Pause On/Off	On	Recon All Images	On
Auto Subtract	0	CONTRAST	
Auto SCIC	2	Contrast Yes/No	No

Sag T2 frFSE THIN

Sag T2 frFSE THIN

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	HD 8Ch Body Array by GE	Imaging Options	FC, NPW, EDR, TRF, Fast, FR, MRF
Plane	CORONAL		
Series Description	Cor T2 frFSE THIN		
SCAN TIMING		SCAN RANGE	
Flip Angle	180	FOV	22.0
TE	120.0	Slice Thickness	3.0
Number of Echoes	1	Slice Spacing	0.5
TR	3233.0		
Echo Train Length	18	ACQ TIMING	
Receiver Bandwidth	20.83	Freq	288
		Phase	224
		Freq DIR	S/I
		Fat Shift DIR	Normal (I)
		NEX	3.00
		Phase FOV	1.00
		Auto Shim	Auto
		Phase Correction	No
		Flow Direction Compensation	Freq
IMAGE ENHANCE		USER CVS	
Filter Choice	A	User CV22	1.00
		TR Min	3000.0
		TR Max	6500.0
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
Slice Order	Interleaved		
View Order	Bottom/Up	CONTRAST	
# of Repetitions REST	0	Contrast Yes/No	No
# of Repetitions ACTIVE	0		
SAT			
Tag Type	None		
TRICKS			
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	2		

Cor T2 frFSE THIN

Cor T2 frFSE THIN

Protocol: adult_pelvis_RECTAL CA

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>HD 8Ch Body Array by GE</i>	Imaging Options	<i>EDR, Fast, ZIP512, ZIP2, FR, MRF</i>
Plane	<i>AXIAL</i>		
Series Description	<i>3D SAG T2 Cube</i>		
SCAN TIMING		SCAN RANGE	
TE	<i>99.0</i>	FOV	<i>32.0</i>
Number of Echoes	<i>1</i>	Slice Thickness	<i>1.2</i>
TR	<i>2500.0</i>	Location per Slab	<i>136</i>
Echo Train Length	<i>100</i>	Overlap Locations	<i>0</i>
Receiver Bandwidth	<i>31.25</i>		
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	<i>None</i>	Freq	<i>256</i>
		Phase	<i>256</i>
GATING/TRIGGER		Freq DIR	<i>R/L</i>
Auto Trigger Type	<i>Off</i>	NEX	<i>1.00</i>
MULTI-PHASE		Phase FOV	<i>0.90</i>
Seperate Series	<i>0</i>	Auto Shim	<i>Auto</i>
Mask Phase	<i>0</i>	Phase Correction	<i>No</i>
Mask Pause	<i>0</i>	FMRI	
DIFFUSION		PSD Trigger	<i>Internal</i>
Recon All Images	<i>On</i>	Slice Order	<i>Interleaved</i>
CONTRAST		View Order	<i>Bottom/Up</i>
Contrast Yes/No	<i>No</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>

3D SAG T2 Cube

3D SAG T2 Cube

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>FSE-XL</i>
Coil Configuration	<i>HD 8Ch Body Array by GE</i>	Imaging Options	<i>NPW, TRF, Fast, MRF</i>
Plane	<i>AXIAL</i>	SCAN RANGE	
Series Description	<i>Ax SMALL FOVPRE T1 F/S</i>	FOV	<i>22.0</i>
SCAN TIMING		Slice Thickness	<i>3.0</i>
Flip Angle	<i>160</i>	Slice Spacing	<i>0.5</i>
TE	<i>Min Full</i>	ACQ TIMING	
Number of Echoes	<i>1</i>	Freq	<i>320</i>
TR	<i>450.0</i>	Phase	<i>224</i>
Echo Train Length	<i>3</i>	Freq DIR	<i>A/P</i>
Receiver Bandwidth	<i>35.71</i>	Fat Shift DIR	<i>Normal (A)</i>
IMAGE ENHANCE		NEX	<i>2.00</i>
Filter Choice	<i>A</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 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>450.0</i>
Tag Type	<i>None</i>	TR Max	<i>650.0</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	
		Recon All Images	<i>On</i>
		CONTRAST	
		Contrast Yes/No	<i>No</i>

Ax SMALL FOVPRE T1 F/S

Ax SMALL FOVPRE T1 F/S

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>HD 8Ch Body Array by GE</i>	Imaging Options	<i>Fast, SS</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>---CONTRAST---</i>	FOV	<i>22.0</i>
SCAN TIMING		Slice Thickness	<i>5.0</i>
TE	<i>Minimum</i>	Slice Spacing	<i>1.0</i>
Number of Echoes	<i>1</i>	ACQ TIMING	
TR	<i>Minimum</i>	Freq	<i>128</i>
Receiver Bandwidth	<i>83.33</i>	Phase	<i>128</i>
IMAGE ENHANCE		Freq DIR	<i>A/P</i>
Filter Choice	<i>None</i>	NEX	<i>1.00</i>
GATING/TRIGGER		# of Acq. Before Pause	<i>0</i>
Auto Trigger Type	<i>Off</i>	Phase FOV	<i>1.00</i>
FMRI		Auto Shim	<i>Auto</i>
PSD Trigger	<i>Internal</i>	Phase Correction	<i>No</i>
Slice Order	<i>Interleaved</i>	USER CVS	
View Order	<i>Bottom/Up</i>	User CV2	<i>240.00</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>

Protocol: adult_pelvis_RECTAL CA

3D Ax LAVA Flex PRE	PATIENT POSITION		IMAGING PARAMETERS		3D Ax LAVA Flex PRE
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>3D</i>	
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>LAVA</i>	
	Coil Configuration	<i>HD 8Ch Body Array by GE</i>	Imaging Options	<i>EDR, Fast, ZIP2, ARC</i>	
	Plane	<i>AXIAL</i>	IDEAL	<i>15</i>	
	Series Description	<i>3D Ax LAVA Flex PRE</i>	SCAN RANGE		
	SCAN TIMING		FOV	<i>40.0</i>	
	Flip Angle	<i>12</i>	Slice Thickness	<i>4.0</i>	
	Number of Echoes	<i>1</i>	Location per Slab	<i>60</i>	
	Receiver Bandwidth	<i>100.00</i>	Overlap Locations	<i>0</i>	
	IMAGE ENHANCE		ACQ TIMING		
	Filter Choice	<i>None</i>	Freq	<i>300</i>	
	GATING/TRIGGER		Phase	<i>200</i>	
	Auto Trigger Type	<i>Off</i>	Freq DIR	<i>R/L</i>	
	FMRI		NEX	<i>1.00</i>	
	PSD Trigger	<i>Internal</i>	Phase FOV	<i>0.80</i>	
	Slice Order	<i>Interleaved</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 CV6	<i>1.00</i>	
	SAT		MULTI-PHASE		
	Tag Type	<i>None</i>	Seperate Series	<i>0</i>	
	TRICKS		Trigger Delay without AV	<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			
		Recon All Images	<i>On</i>		
		CONTRAST			
		Contrast Yes/No	<i>No</i>		

Protocol: adult_pelvis_RECTAL CA

3D Ax LAVA FLEX ART/VEN	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>3D</i>
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>LAVA</i>
	Coil Configuration	<i>HD 8Ch Body Array by GE</i>	Imaging Options	<i>EDR, Fast, ZIP2, MPhVar, ARC</i>
	Plane	<i>AXIAL</i>	IDEAL	<i>15</i>
	Series Description	<i>3D Ax LAVA FLEX ART/VEN</i>	SCAN RANGE	
	SCAN TIMING		FOV	<i>40.0</i>
	Flip Angle	<i>12</i>	Slice Thickness	<i>4.0</i>
	Number of Echoes	<i>1</i>	Location per Slab	<i>60</i>
	Receiver Bandwidth	<i>100.00</i>	Overlap Locations	<i>0</i>
	IMAGE ENHANCE		ACQ TIMING	
	Filter Choice	<i>None</i>	Freq	<i>300</i>
	GATING/TRIGGER		Phase	<i>200</i>
	Auto Trigger Type	<i>Off</i>	Freq DIR	<i>R/L</i>
	FMRI		NEX	<i>1.00</i>
	PSD Trigger	<i>Internal</i>	Phase FOV	<i>0.80</i>
	Slice Order	<i>Interleaved</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 CV6	<i>1.00</i>
	SAT		MULTI-PHASE	
	Tag Type	<i>None</i>	# of Phases	<i>2</i>
	TRICKS		Seperate Series	<i>0</i>
	Pause On/Off	<i>On</i>	Trigger Delay without AV	<i>15</i>
	Auto Subtract	<i>7</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>	

3D Ax LAVA FLEX ART/VEN

Protocol: adult_pelvis_RECTAL CA

3D Ax LAVA Flex 3 MIN	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>3D</i>
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>LAVA</i>
	Coil Configuration	<i>HD 8Ch Body Array by GE</i>	Imaging Options	<i>EDR, Fast, ZIP2, ARC</i>
	Plane	<i>AXIAL</i>	IDEAL	<i>15</i>
	Series Description	<i>3D Ax LAVA Flex 3 MIN</i>	SCAN RANGE	
	SCAN TIMING		FOV	<i>40.0</i>
	Flip Angle	<i>12</i>	Slice Thickness	<i>4.0</i>
	Number of Echoes	<i>1</i>	Location per Slab	<i>60</i>
	Receiver Bandwidth	<i>100.00</i>	Overlap Locations	<i>0</i>
	IMAGE ENHANCE		ACQ TIMING	
	Filter Choice	<i>None</i>	Freq	<i>300</i>
	GATING/TRIGGER		Phase	<i>200</i>
	Auto Trigger Type	<i>Off</i>	Freq DIR	<i>R/L</i>
	FMRI		NEX	<i>1.00</i>
	PSD Trigger	<i>Internal</i>	Phase FOV	<i>0.80</i>
	Slice Order	<i>Interleaved</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 CV6	<i>1.00</i>
	SAT		MULTI-PHASE	
	Tag Type	<i>None</i>	Seperate Series	<i>0</i>
	TRICKS		Trigger Delay without AV	<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		
		Recon All Images	<i>On</i>	
		CONTRAST		
		Contrast Yes/No	<i>No</i>	

3D Ax LAVA Flex 3 MIN

Protocol: adult_pelvis_RECTAL CA

3D Ax LAVA Flex 6 MIN	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>3D</i>
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>LAVA</i>
	Coil Configuration	<i>HD 8Ch Body Array by GE</i>	Imaging Options	<i>EDR, Fast, ZIP2, ARC</i>
	Plane	<i>AXIAL</i>	IDEAL	<i>15</i>
	Series Description	<i>3D Ax LAVA Flex 6 MIN</i>	SCAN RANGE	
	SCAN TIMING		FOV	<i>40.0</i>
	Flip Angle	<i>12</i>	Slice Thickness	<i>4.0</i>
	Number of Echoes	<i>1</i>	Location per Slab	<i>60</i>
	Receiver Bandwidth	<i>100.00</i>	Overlap Locations	<i>0</i>
	IMAGE ENHANCE		ACQ TIMING	
	Filter Choice	<i>None</i>	Freq	<i>300</i>
	GATING/TRIGGER		Phase	<i>200</i>
	Auto Trigger Type	<i>Off</i>	Freq DIR	<i>R/L</i>
	FMRI		NEX	<i>1.00</i>
	PSD Trigger	<i>Internal</i>	Phase FOV	<i>0.80</i>
	Slice Order	<i>Interleaved</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 CV6	<i>1.00</i>
	SAT		MULTI-PHASE	
	Tag Type	<i>None</i>	Seperate Series	<i>0</i>
	TRICKS		Trigger Delay without AV	<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	
			Recon All Images	<i>On</i>
			CONTRAST	
		Contrast Yes/No	<i>No</i>	

3D Ax LAVA Flex 6 MIN

Protocol: adult_pelvis_RECTAL CA

3D Ax LAVA Flex 10 MIN	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>3D</i>
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>LAVA</i>
	Coil Configuration	<i>HD 8Ch Body Array by GE</i>	Imaging Options	<i>EDR, Fast, ZIP2, ARC</i>
	Plane	<i>AXIAL</i>	IDEAL	<i>15</i>
	Series Description	<i>3D Ax LAVA Flex 10 MIN</i>	SCAN RANGE	
	SCAN TIMING		FOV	<i>40.0</i>
	Flip Angle	<i>12</i>	Slice Thickness	<i>4.0</i>
	Number of Echoes	<i>1</i>	Location per Slab	<i>60</i>
	Receiver Bandwidth	<i>100.00</i>	Overlap Locations	<i>0</i>
	IMAGE ENHANCE		ACQ TIMING	
	Filter Choice	<i>None</i>	Freq	<i>300</i>
	GATING/TRIGGER		Phase	<i>200</i>
	Auto Trigger Type	<i>Off</i>	Freq DIR	<i>R/L</i>
	FMRI		NEX	<i>1.00</i>
	PSD Trigger	<i>Internal</i>	Phase FOV	<i>0.80</i>
	Slice Order	<i>Interleaved</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 CV6	<i>1.00</i>
	SAT		MULTI-PHASE	
	Tag Type	<i>None</i>	Seperate Series	<i>0</i>
	TRICKS		Trigger Delay without AV	<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		
		Recon All Images	<i>On</i>	
		CONTRAST		
		Contrast Yes/No	<i>No</i>	

3D Ax LAVA Flex 10 MIN

Protocol: adult_pelvis_RECTAL CA

+c AxSMALL FOV T1 F/S	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Feet First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	HD 8Ch Body Array by GE	Imaging Options	NPW, TRF, Fast, MRF
	Plane	AXIAL	SCAN RANGE	
	Series Description	+c AxSMALL FOV T1 F/S	FOV	22.0
	SCAN TIMING		Slice Thickness	3.0
	Flip Angle	160	Slice Spacing	0.5
	TE	Min Full	ACQ TIMING	
	Number of Echoes	1	Freq	320
	TR	450.0	Phase	224
	Echo Train Length	3	Freq DIR	A/P
	Receiver Bandwidth	35.71	Fat Shift DIR	Normal (A)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	A	# 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 CV7	1.00
	View Order	Bottom/Up	User CV17	1.00
	# of Repetitions REST	0	User CV19	1.00
	# of Repetitions ACTIVE	0	User CV22	1.00
	SAT		TR Min	450.0
	Tag Type	None	TR Max	650.0
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	No	

+c AxSMALL FOV T1 F/S

Protocol: adult_pelvis_RECTAL CA

+c Ax T1 F/S	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Feet First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	HD 8Ch Body Array by GE	Imaging Options	NPW, TRF, Fast, MRF
	Plane	AXIAL	SCAN RANGE	
	Series Description	+c Ax T1 F/S	FOV	40.0
	SCAN TIMING		Slice Thickness	8.0
	Flip Angle	160	Slice Spacing	1.0
	TE	Min Full	ACQ TIMING	
	Number of Echoes	1	Freq	320
	TR	450.0	Phase	224
	Echo Train Length	3	Freq DIR	A/P
	Receiver Bandwidth	35.71	Fat Shift DIR	Normal (A)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	A	# 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 CV7	1.00
	View Order	Bottom/Up	User CV17	1.00
	# of Repetitions REST	0	User CV19	1.00
	# of Repetitions ACTIVE	0	User CV22	1.00
	SAT		TR Min	450.0
	Tag Type	None	TR Max	650.0
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 Ax T1 F/S

Protocol: adult_pelvis_RECTAL CA

+c SAG SMALL FOV T1 F/S	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Feet First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	FSE-XL
	Coil Configuration	HD 8Ch Body Array by GE	Imaging Options	NPW, TRF, Fast, MRF
	Plane	SAGITTAL	SCAN RANGE	
	Series Description	+c SAG SMALL FOV T1 F/S	FOV	18.0
	SCAN TIMING		Slice Thickness	3.0
	Flip Angle	160	Slice Spacing	0.5
	TE	Min Full	ACQ TIMING	
	Number of Echoes	1	Freq	320
	TR	450.0	Phase	224
	Echo Train Length	3	Freq DIR	S/I
	Receiver Bandwidth	35.71	Fat Shift DIR	Normal (S)
	IMAGE ENHANCE		NEX	2.00
	Filter Choice	A	Phase FOV	1.00
	GATING/TRIGGER		Auto Shim	Auto
	Auto Trigger Type	Off	Phase Correction	No
	FMRI		USER CVS	
	PSD Trigger	Internal	User CV7	1.00
	Slice Order	Interleaved	User CV17	1.00
	View Order	Bottom/Up	User CV19	1.00
	# of Repetitions REST	0	User CV22	1.00
	# of Repetitions ACTIVE	0	TR Min	450.0
	SAT		TR Max	650.0
	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 SAG SMALL FOV T1 F/S