

Protocol: adult_abdomen_APPENDIX

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	3-Plane Localizer	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	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	
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>		

3-Plane Localizer

3-Plane Localizer

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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>HD 8Ch Body Array by GE</i>	Imaging Options	<i>FC, EDR, TRF, Fast, RT</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>Ax T2 frFSE FS RT</i>	FOV	<i>40.0</i>
SCAN TIMING		Slice Thickness	<i>7.0</i>
Flip Angle	<i>160</i>	Slice Spacing	<i>1.5</i>
TE	<i>85.0</i>	ACQ TIMING	
Number of Echoes	<i>1</i>	Freq	<i>320</i>
Echo Train Length	<i>24</i>	Phase	<i>224</i>
Receiver Bandwidth	<i>50.00</i>	Freq DIR	<i>Unswap</i>
IMAGE ENHANCE		Fat Shift DIR	<i>Normal</i>
Filter Choice	<i>None</i>	NEX	<i>4.00</i>
GATING/TRIGGER		Phase FOV	<i>1.00</i>
Auto Trigger Type	<i>Off</i>	Auto Shim	<i>Auto</i>
Resp. Trigger Point	<i>30</i>	Phase Correction	<i>No</i>
Resp. Trigger Window	<i>40</i>	Flow Direction	<i>Slice</i>
Resp. Inter-Seq Delay	<i>Minimum</i>	Compensation	
FMRI		USER CVS	
PSD Trigger	<i>Internal</i>	User CV7	<i>1.00</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>	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>
Fat/Water Saturation	<i>Fat</i>	DIFFUSION	
TRICKS		Recon All Images	<i>On</i>
Pause On/Off	<i>On</i>	CONTRAST	
Auto Subtract	<i>0</i>	Contrast Yes/No	<i>No</i>
Auto SCIC	<i>2</i>		

Ax T2 frFSE FS RT

Ax T2 frFSE FS RT

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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>HD 8Ch Body Array by GE</i>	Imaging Options	<i>EDR, Fast, SS, ARC, MRF</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>Ax T2 SSFSE BH</i>	FOV	<i>40.0</i>
SCAN TIMING		Slice Thickness	<i>7.0</i>
TE	<i>85.0</i>	Slice Spacing	<i>1.5</i>
Number of Echoes	<i>1</i>	ACQ TIMING	
TR	<i>1000.0</i>	Freq	<i>288</i>
Receiver Bandwidth	<i>83.33</i>	Phase	<i>256</i>
IMAGE ENHANCE		Freq DIR	<i>Unswap</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>2</i>	Contrast Yes/No	<i>No</i>

Ax T2 SSFSE BH

Ax T2 SSFSE BH

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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>HD 8Ch Body Array by GE</i>	Imaging Options	<i>EDR, Fast, SS, Asset</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>Ax T2 SSFSE ASPIR BH</i>	FOV	<i>40.0</i>
SCAN TIMING		Slice Thickness	<i>7.0</i>
TE	<i>85.0</i>	Slice Spacing	<i>1.5</i>
Number of Echoes	<i>1</i>	ACQ TIMING	
TR	<i>1000.0</i>	Freq	<i>260</i>
TI	<i>150</i>	Phase	<i>220</i>
Receiver Bandwidth	<i>83.33</i>	Freq DIR	<i>Unswap</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 CV1	<i>1.00</i>
View Order	<i>Bottom/Up</i>	User CV2	<i>240.00</i>
# of Repetitions REST	<i>0</i>	User CV15	<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>
Fat/Water Saturation	<i>Fat Special</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 T2 SSFSE ASPIR BH

Ax T2 SSFSE ASPIR BH

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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	EDR, Fast, SS, ARC
Plane	CORONAL	SCAN RANGE	
Series Description	Cor T2 SSFSE BH	FOV	40.0
SCAN TIMING		Slice Thickness	7.0
TE	85.0	Slice Spacing	1.5
Number of Echoes	1	ACQ TIMING	
Receiver Bandwidth	83.33	Freq	288
IMAGE ENHANCE		Phase	256
Filter Choice	None	Freq DIR	S/I
GATING/TRIGGER		NEX	1.00
Auto Trigger Type	Off	# of Acq. Before Pause	0
FMRI		Phase FOV	1.00
PSD Trigger	Internal	Auto Shim	Auto
Slice Order	Interleaved	Phase Correction	No
View Order	Bottom/Up	USER CVS	
# of Repetitions REST	0	User CV1	1.00
# of Repetitions ACTIVE	0	User CV2	240.00
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	2	Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No

Cor T2 SSFSE BH

Cor T2 SSFSE BH

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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>HD 8Ch Body Array by GE</i>	Imaging Options	<i>EDR, Fast, SS, ARC</i>
Plane	<i>SAGITTAL</i>	SCAN RANGE	
Series Description	<i>SAG T2 SSFSE BH</i>	FOV	<i>40.0</i>
SCAN TIMING		Slice Thickness	<i>7.0</i>
TE	<i>85.0</i>	Slice Spacing	<i>1.5</i>
Number of Echoes	<i>1</i>	ACQ TIMING	
Receiver Bandwidth	<i>83.33</i>	Freq	<i>288</i>
IMAGE ENHANCE		Phase	<i>256</i>
Filter Choice	<i>None</i>	Freq DIR	<i>S/I</i>
GATING/TRIGGER		NEX	<i>1.00</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 CV1	<i>1.00</i>
# of Repetitions ACTIVE	<i>0</i>	User CV2	<i>240.00</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>	Recon All Images	<i>On</i>
		CONTRAST	
		Contrast Yes/No	<i>No</i>

SAG T2 SSFSE BH

SAG T2 SSFSE BH

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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>SPGR</i>
Coil Configuration	<i>Express Body Array II by GE</i>	Imaging Options	<i>EDR, Fast, Asset</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>Ax Dual Echo BH</i>	FOV	<i>40.0</i>
SCAN TIMING		Slice Thickness	<i>7.0</i>
Flip Angle	<i>85</i>	Slice Spacing	<i>1.5</i>
Number of Echoes	<i>2</i>	ACQ TIMING	
TR	<i>190.0</i>	Freq	<i>288</i>
IMAGE ENHANCE		Phase	<i>192</i>
Filter Choice	<i>None</i>	Freq DIR	<i>Unswap</i>
GATING/TRIGGER		NEX	<i>1.00</i>
Auto Trigger Type	<i>Off</i>	Phase FOV	<i>1.00</i>
MULTI-PHASE		Auto Shim	<i>Auto</i>
Seperate Series	<i>0</i>	Phase Correction	<i>No</i>
Mask Phase	<i>0</i>	FMRI	
Mask Pause	<i>0</i>	PSD Trigger	<i>Internal</i>
DIFFUSION		Slice Order	<i>Interleaved</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	
		SAT Location	<i>S</i>
		SAT Location	<i>I</i>
		Tag Type	<i>None</i>
		TRICKS	
		Pause On/Off	<i>On</i>
		Auto Subtract	<i>0</i>
		Auto SCIC	<i>2</i>

Ax Dual Echo BH

Ax Dual Echo BH

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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>Fiesta</i>
Plane	<i>CORONAL</i>	Imaging Options	<i>Seq, EDR, Fast, MPh, ZIP512</i>
Series Description	<i>COR FIESTA FS MULTI</i>		
SCAN TIMING		SCAN RANGE	
Flip Angle	<i>70</i>	FOV	<i>38.0</i>
TE	<i>Min Full</i>	Slice Thickness	<i>4.0</i>
Number of Echoes	<i>1</i>	Slice Spacing	<i>0.5</i>
Receiver Bandwidth	<i>83.33</i>		
IMAGE ENHANCE		ACQ TIMING	
Filter Choice	<i>None</i>	Freq	<i>192</i>
		Phase	<i>288</i>
GATING/TRIGGER		Freq DIR	<i>S/I</i>
Auto Trigger Type	<i>Off</i>	NEX	<i>1.00</i>
		Phase FOV	<i>1.00</i>
MULTI-PHASE		Auto Shim	<i>Auto</i>
Slice per Location	<i>10</i>	Phase Correction	<i>No</i>
Phase Acquisition Order	<i>Sequential</i>	FMRI	
Delay after Acquisition	<i>Minimum</i>	PSD Trigger	<i>Internal</i>
Seperate Series	<i>0</i>	Slice Order	<i>Interleaved</i>
Mask Phase	<i>0</i>	View Order	<i>Bottom/Up</i>
Mask Pause	<i>0</i>	# of Repetitions REST	<i>0</i>
DIFFUSION		# of Repetitions ACTIVE	<i>0</i>
Recon All Images	<i>On</i>	SAT	
CONTRAST		Fat/Water Saturation	<i>Fat Special</i>
Contrast Yes/No	<i>No</i>	TRICKS	
		Pause On/Off	<i>On</i>
		Auto Subtract	<i>0</i>
		Auto SCIC	<i>Off</i>

COR FIESTA FS MULTI

COR FIESTA FS MULTI

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Ax DW RT	PATIENT POSITION		IMAGING PARAMETERS		Ax DW RT
	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, RT, DIFF, Asset</i>	
	Plane	<i>AXIAL</i>	SCAN RANGE		
	Series Description	<i>Ax DW RT</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>	
	Resp. Trigger Point	<i>30</i>	Phase Correction	<i>Yes</i>	
	Resp. Trigger Window	<i>30</i>	USER CVS		
	FMRI		User CV0	<i>1.00</i>	
	PSD Trigger	<i>Internal</i>	User CV1	<i>1.00</i>	
	Slice Order	<i>Interleaved</i>	User CV9	<i>1.00</i>	
	View Order	<i>Bottom/Up</i>	User CV17	<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>	Optimized TE	<i>Yes</i>	
	Auto Subtract	<i>0</i>	Diffusion Directions	<i>64</i>	
	Auto SCIC	<i>2</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>		