

Protocol: adult_lowerExtremities_ANKLE HARDWARE

PATIENT POSITION		IMAGING PARAMETERS	
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>8CH Foot Ankle Coil by GE</i>	Imaging Options	<i>Seq, Fast</i>
Plane	<i>3-PLANE</i>	SCAN RANGE	
Series Description	<i>3-Plane Localizer</i>	FOV	<i>20.0</i>
SCAN TIMING		Slice Thickness	<i>5.0</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		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>

3-Plane Localizer

3-Plane Localizer

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Calibration	PATIENT POSITION		IMAGING PARAMETERS		Calibration
	Patient Entry	<i>Feet First</i>	Imaging Mode	<i>3D</i>	
	Patient Position	<i>Supine</i>	Pulse Sequence	<i>SPGR</i>	
	Coil Configuration	<i>8CH Foot Ankle Coil by GE</i>	Imaging Options	<i>EDR, Fast, ZIP2, Calib</i>	
	Plane	<i>AXIAL</i>	SCAN RANGE		
	Series Description	<i>Calibration</i>	FOV	<i>25.0</i>	
	SCAN TIMING		Slice Thickness	<i>7.0</i>	
	Number of Echoes	<i>1</i>	ACQ TIMING		
	IMAGE ENHANCE		Freq DIR	<i>R/L</i>	
	Filter Choice	<i>None</i>	Auto Shim	<i>Auto</i>	
	GATING/TRIGGER		Phase Correction	<i>No</i>	
	Auto Trigger Type	<i>Off</i>	FMRI		
	MULTI-PHASE		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>	
	DIFFUSION		SAT		
	Recon All Images	<i>On</i>	Tag Type	<i>None</i>	
	CONTRAST		TRICKS		
	Contrast Yes/No	<i>No</i>	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	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	8CH Foot Ankle Coil by GE	Imaging Options	EDR, TRF, Fast, FR
Plane	OBLIQUE	SCAN RANGE	
Series Description	AXIAL T1 FSE	FOV	14.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	120	Slice Spacing	1.5
TE	Min Full	ACQ TIMING	
Number of Echoes	1	Freq	320
TR	524.0	Phase	224
Echo Train Length	3	Freq DIR	A/P
Receiver Bandwidth	31.25	Fat Shift DIR	Normal (A)
IMAGE ENHANCE		NEX	2.00
Filter Choice	None	# of Acq. Before Pause	0
GATING/TRIGGER		Phase FOV	0.75
Auto Trigger Type	Off	Auto Shim	Auto
FMRI		Phase Correction	Yes
PSD Trigger	Internal	USER CVS	
View Order	Bottom/Up	User CV8	1.00
# of Repetitions REST	0	User CV9	1.00
# of Repetitions ACTIVE	0	User CV22	1.00
SAT		TR Min	350.0
Tag Type	None	TR Max	750.0
TRICKS		MULTI-PHASE	
Pause On/Off	On	Seperate Series	0
Auto Subtract	0	Mask Phase	0
Auto SCIC	Off	Mask Pause	0
		DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No

AXIAL T1 FSE

AXIAL T1 FSE

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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>8CH Foot Ankle Coil by GE</i>	Imaging Options	<i>Seq, EDR, TRF, Fast, IrP</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>AXIAL STIR</i>	FOV	<i>14.0</i>
SCAN TIMING		Slice Thickness	<i>4.0</i>
Flip Angle	<i>160</i>	Slice Spacing	<i>1.5</i>
TE	<i>42.0</i>	ACQ TIMING	
Number of Echoes	<i>1</i>	Freq	<i>288</i>
TR	<i>6358.0</i>	Phase	<i>192</i>
TI	<i>150</i>	Freq DIR	<i>A/P</i>
Echo Train Length	<i>12</i>	Fat Shift DIR	<i>Normal (A)</i>
Receiver Bandwidth	<i>31.25</i>	NEX	<i>3.00</i>
IMAGE ENHANCE		Phase FOV	<i>0.75</i>
Filter Choice	<i>None</i>	Auto Shim	<i>Auto</i>
GATING/TRIGGER		Phase Correction	<i>No</i>
Auto Trigger Type	<i>Off</i>	USER CVS	
FMRI		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>	MULTI-PHASE	
# of Repetitions ACTIVE	<i>0</i>	Seperate Series	<i>0</i>
SAT		Mask Phase	<i>0</i>
SAT Location	<i>S</i>	Mask Pause	<i>0</i>
SAT Location	<i>I</i>	DIFFUSION	
Tag Type	<i>None</i>	Recon All Images	<i>On</i>
TRICKS		CONTRAST	
Pause On/Off	<i>On</i>	Contrast Yes/No	<i>No</i>
Auto Subtract	<i>0</i>		
Auto SCIC	<i>Off</i>		

AXIAL STIR

AXIAL STIR

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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>8CH Foot Ankle Coil by GE</i>	Imaging Options	<i>NPW, EDR, TRF, Fast</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>SAG T1 FSE</i>	FOV	<i>14.0</i>
SCAN TIMING		Slice Thickness	<i>3.0</i>
Flip Angle	<i>120</i>	Slice Spacing	<i>0.3</i>
TE	<i>Min Full</i>	ACQ TIMING	
Number of Echoes	<i>1</i>	Freq	<i>352</i>
TR	<i>424.0</i>	Phase	<i>224</i>
Echo Train Length	<i>3</i>	Freq DIR	<i>S/I</i>
Receiver Bandwidth	<i>31.25</i>	Fat Shift DIR	<i>Normal (S)</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>Yes</i>
FMRI		USER CVS	
PSD Trigger	<i>Internal</i>	User CV8	<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	
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>Off</i>	Recon All Images	<i>On</i>
		CONTRAST	
		Contrast Yes/No	<i>No</i>

SAG T1 FSE

SAG T1 FSE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	8CH Foot Ankle Coil by GE	Imaging Options	NPW, Seq, EDR, TRF, Fast, ARC, IrP
Plane	OBLIQUE	SCAN RANGE	
Series Description	SAG STIR	FOV	14.0
SCAN TIMING		Slice Thickness	3.0
Flip Angle	160	Slice Spacing	0.3
TE	42.0	ACQ TIMING	
Number of Echoes	1	Freq	288
TR	5806.0	Phase	192
TI	150	Freq DIR	S/I
Echo Train Length	12	Fat Shift DIR	Normal (S)
Receiver Bandwidth	31.25	NEX	3.00
IMAGE ENHANCE		Auto Shim	Auto
Filter Choice	None	Phase Correction	No
GATING/TRIGGER		USER CVS	
Auto Trigger Type	Off	User CV22	1.00
FMRI		TR Min	2000.0
PSD Trigger	Internal	TR Max	15000.0
View Order	Bottom/Up	MULTI-PHASE	
# of Repetitions REST	0	Seperate Series	0
# of Repetitions ACTIVE	0	Mask Phase	0
SAT		Mask Pause	0
SAT Location	S	DIFFUSION	
SAT Location	I	Recon All Images	On
Tag Type	None	CONTRAST	
TRICKS		Contrast Yes/No	No
Pause On/Off	On		
Auto Subtract	0		
Auto SCIC	Off		

SAG STIR

SAG STIR

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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>8CH Foot Ankle Coil by GE</i>	Imaging Options	<i>EDR, TRF, Fast, FR</i>
Plane	<i>OBLIQUE</i>	SCAN RANGE	
Series Description	<i>AX/OBL T2 FSE</i>	FOV	<i>14.0</i>
SCAN TIMING		Slice Thickness	<i>4.0</i>
Flip Angle	<i>160</i>	Slice Spacing	<i>1.5</i>
TE	<i>68.0</i>	ACQ TIMING	
Number of Echoes	<i>1</i>	Freq	<i>352</i>
TR	<i>4878.0</i>	Phase	<i>224</i>
Echo Train Length	<i>19</i>	Freq DIR	<i>S/I</i>
Receiver Bandwidth	<i>31.25</i>	Fat Shift DIR	<i>Normal (I)</i>
IMAGE ENHANCE		NEX	<i>3.00</i>
Filter Choice	<i>None</i>	Phase FOV	<i>0.75</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 CV9	<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>6000.0</i>
Tag Type	<i>None</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>Off</i>	DIFFUSION	
		Recon All Images	<i>On</i>
		CONTRAST	
		Contrast Yes/No	<i>No</i>

AX/OBL T2 FSE

AX/OBL T2 FSE

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	8CH Foot Ankle Coil by GE	Imaging Options	Seq, EDR, TRF, Fast, ARC, IrP
Plane	OBLIQUE		
Series Description	COR/OBL STIR		
SCAN TIMING		SCAN RANGE	
Flip Angle	160	FOV	14.0
TE	42.0	Slice Thickness	4.0
Number of Echoes	1	Slice Spacing	1.5
TR	6358.0		
TI	150	ACQ TIMING	
Echo Train Length	12	Freq	288
Receiver Bandwidth	31.25	Phase	192
IMAGE ENHANCE		Freq DIR	S/I
Filter Choice	None	Fat Shift DIR	Normal (I)
GATING/TRIGGER		NEX	3.00
Auto Trigger Type	Off	Phase FOV	0.75
FMRI		Auto Shim	Auto
PSD Trigger	Internal	Phase Correction	No
View Order	Bottom/Up	USER CVS	
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	TR Min	2000.0
SAT		TR Max	15000.0
SAT Location	S	MULTI-PHASE	
SAT Location	I	Seperate Series	0
Tag Type	None	Mask Phase	0
TRICKS		Mask Pause	0
Pause On/Off	On	DIFFUSION	
Auto Subtract	0	Recon All Images	On
Auto SCIC	Off	CONTRAST	
		Contrast Yes/No	No

COR/OBL STIR

COR/OBL STIR