

Protocol: adult_lowerExtremities_ANKLE

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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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>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>

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>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>384</i>
TR	<i>434.0</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, EDR, TRF, Fast, FR
Plane	OBLIQUE	SCAN RANGE	
Series Description	Sag T2 FSE FS	FOV	14.0
SCAN TIMING		Slice Thickness	3.0
Flip Angle	160	Slice Spacing	0.3
TE	68.0	ACQ TIMING	
Number of Echoes	1	Freq	352
TR	5063.0	Phase	256
Echo Train Length	19	Freq DIR	S/I
Receiver Bandwidth	31.25	Fat Shift DIR	Normal (S)
IMAGE ENHANCE		NEX	3.00
Filter Choice	None	Auto Shim	Auto
GATING/TRIGGER		Phase Correction	Yes
Auto Trigger Type	Off	USER CVS	
FMRI		User CV8	1.00
PSD Trigger	Internal	User CV9	1.00
View Order	Bottom/Up	User CV19	1.00
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	TR Min	2500.0
SAT		TR Max	11000.0
Tag Type	None	MULTI-PHASE	
Fat/Water Saturation	Fat Classic	Seperate Series	0
TRICKS		Mask Phase	0
Pause On/Off	On	Mask Pause	0
Auto Subtract	0	DIFFUSION	
Auto SCIC	Off	Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No

Sag T2 FSE FS

Sag T2 FSE FS

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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, 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	518.0	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		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 CV9	1.00
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	TR Min	350.0
SAT		TR Max	750.0
Tag Type	None	MULTI-PHASE	
TRICKS		Seperate Series	0
Pause On/Off	On	Mask Phase	0
Auto Subtract	0	Mask Pause	0
Auto SCIC	Off	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	Feet First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	FSE-XL
Coil Configuration	8CH Foot Ankle Coil by GE	Imaging Options	NPW, EDR, TRF, Fast, FR
Plane	OBLIQUE	SCAN RANGE	
Series Description	AXIAL T2 FS FSE	FOV	14.0
SCAN TIMING		Slice Thickness	4.0
Flip Angle	160	Slice Spacing	1.5
TE	68.0	ACQ TIMING	
Number of Echoes	1	Freq	352
TR	5026.0	Phase	224
Echo Train Length	17	Freq DIR	A/P
Receiver Bandwidth	31.25	Fat Shift DIR	Normal (A)
IMAGE ENHANCE		NEX	3.00
Filter Choice	None	Auto Shim	Auto
GATING/TRIGGER		Phase Correction	Yes
Auto Trigger Type	Off	USER CVS	
FMRI		User CV8	1.00
PSD Trigger	Internal	User CV9	1.00
View Order	Bottom/Up	User CV19	1.00
# of Repetitions REST	0	User CV22	1.00
# of Repetitions ACTIVE	0	TR Min	350.0
SAT		TR Max	6000.0
Tag Type	None	MULTI-PHASE	
Fat/Water Saturation	Fat Classic	Seperate Series	0
TRICKS		Mask Phase	0
Pause On/Off	On	Mask Pause	0
Auto Subtract	0	DIFFUSION	
Auto SCIC	Off	Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No

AXIAL T2 FS FSE

AXIAL T2 FS 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>NPW, 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>4827.0</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>	Auto Shim	<i>Auto</i>
GATING/TRIGGER		Phase Correction	<i>Yes</i>
Auto Trigger Type	<i>Off</i>	USER CVS	
FMRI		User CV8	<i>1.00</i>
PSD Trigger	<i>Internal</i>	User CV9	<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>6000.0</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>

AX/OBL T2 FSE

AX/OBL T2 FSE

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COR/OBL T2 FS FSE	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, FR</i>
	Plane	<i>OBLIQUE</i>	SCAN RANGE	
	Series Description	<i>COR/OBL T2 FS 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>5493.0</i>	Phase	<i>224</i>
	Echo Train Length	<i>19</i>	Freq DIR	<i>A/P</i>
	Receiver Bandwidth	<i>31.25</i>	Fat Shift DIR	<i>Normal (A)</i>
	IMAGE ENHANCE		NEX	<i>3.00</i>
	Filter Choice	<i>None</i>	Auto Shim	<i>Auto</i>
	GATING/TRIGGER		Phase Correction	<i>Yes</i>
	Auto Trigger Type	<i>Off</i>	USER CVS	
	FMRI		User CV8	<i>1.00</i>
	PSD Trigger	<i>Internal</i>	User CV9	<i>1.00</i>
	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>2500.0</i>
	SAT		TR Max	<i>6000.0</i>
	Tag Type	<i>None</i>	MULTI-PHASE	
	Fat/Water Saturation	<i>Fat Classic</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>	

COR/OBL T2 FS FSE