

SHLDR+9ser Osteo, Abscess, Tumor DISCOVERY MR750w

Technical Instructions

RT-3-PLANE LOC

LT-3-PLANE LOC

Calibration

AX T1

AX T2 dk fat

SAG T2 dk fat

SAG T1

COR T1

COR T2 dk fat

--Tumor ONLY--

pre AX T1 fat

--Contrast--

+COR T1 fat

+AX T1 fat

+SAG T1 FAT

--optional--

T2 FS PROPELLER

RT-3-PLANE LOC

RT-3-PLANE LOC

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	3-PLANE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	Spin Echo
Imaging Options:	NPW, Seq, EDR, TRF, Fast, SS

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type:	None
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USER CVS

User CV1:	1.00
User CV16:	None
User CV39:	1.00
User CV Mask2:	256

DIFFUSION

# Synthetic b-values:	1
Synthetic b-value:	1000.0;
Recon All Images:	On

SCAN TIMING

TE:	85.0
Number of Echoes:	1
TR:	Minimum
Receiver Bandwidth:	83.33

GATING/TRIGGER

Auto Trigger Type:	Off
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MULTI-PHASE

Seperate Series:	0
Mask Phase:	0
Mask Pause:	0
Preserve:	0

SCAN RANGE

FOV:	32.0
Slice Thickness:	8.0
Slice Spacing:	5.0
Table Delta:	0.00

ACQ TIMING

Freq:	384
Phase:	224
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

CONTRAST

Contrast Yes/No:	No
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TRICKS

Pause On/Off:	On
Auto Subtract:	0

OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Shoulder

LT-3-PLANE LOC

LT-3-PLANE LOC

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	3-PLANE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	Spin Echo
Imaging Options:	NPW, Seq, EDR, TRF, Fast, SS

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type:	None
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USER CVS

User CV1:	1.00
User CV39:	1.00
User CV Mask2:	256

DIFFUSION

Multi b-values:	1000.0;
Multi NEX Values:	1;
Recon All Images:	On

SCAN TIMING

TE:	85.0
TR:	Minimum
Receiver Bandwidth:	83.33

GATING/TRIGGER

Auto Trigger Type:	Off
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MULTI-PHASE

Seperate Series:	0
Mask Phase:	0
Mask Pause:	0

SCAN RANGE

FOV:	32.0
Slice Thickness:	8.0
Slice Spacing:	5.0

Table Delta:	0.00
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ACQ TIMING

Freq:	384
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Phase:	224
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Freq DIR:	Unswap
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# of Acq. Before Pause:	0
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Phase FOV:	1.00
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Auto Shim:	Auto
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Phase Correct:	Off
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RF Drive Mode:	Preset
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Excitation Mode:	Selective
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CONTRAST

Contrast Yes/No:	No
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TRICKS

Pause On/Off:	On
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Auto Subtract:	0
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OTHERS

3D Geometry Correction:	Off
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Anatomical Region:	Shoulder
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Calibration

Calibration

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	AXIAL

IMAGING PARAMETERS

Imaging Mode:	3D
Pulse Sequence:	SPGR
Imaging Options:	EDR, Fast, ZIP2, Calib

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type:	None
USER CVS	
User CV Mask2:	0
DIFFUSION	
Recon All Images:	On
GATING/TRIGGER	
Auto Trigger Type:	Off
MULTI-PHASE	
Seperate Series:	0
Mask Phase:	0
Mask Pause:	0
SCAN RANGE	
FOV:	35.0
Slice Thickness:	11.0
Number of Slices:	1
Table Delta:	0.00
ACQ TIMING	
Freq DIR:	R/L
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

CONTRAST

Contrast Yes/No: No

TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

3D Geometry Correction: Off

Anatomical Region: Shoulder

AX T1

AX T1

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	NPW, EDR, TRF, Fast, ARC
Phase:	1.50

Image Recon

Intensity Filter:	None
Intensity Correction:	SCIC

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing: None

Tag Type: None

USER CVS

User CV6: None

User CV7: None

User CV8: None

User CV9: None

User CV15: None

User CV16: None

User CV18: None

User CV21: 1.00

User CV22: 1.00

User CV39: None

User CV Mask2: 256

TR Min: 500.0

TR Max: 900.0

DIFFUSION

Recon All Images: On

SCAN TIMING

Flip Angle: 111

TE: 16.0

Number of Echoes: 1

TR: 500.0

Echo Train Length: 4

Receiver Bandwidth: 41.67

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

SCAN RANGE

FOV: 16.0

Slice Thickness: 5.0

Slice Spacing: 1.5

Table Delta: 0.00

ACQ TIMING

Freq: 288

Phase: 224

Freq DIR: Unswap

NEX: 2.00

Auto Shim: Auto

Phase Correct: On

RF Drive Mode: Quadrature

Excitation Mode: Selective

Fat Shift DIR: Normal

CONTRAST

Contrast Yes/No: No

TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

Anatomical Region: Shoulder

AX T2 dk fat

AX T2 dk fat

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	NPW, EDR, TRF, Fast, FR

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type: None

Fat/Water Saturation: Fat

USER CVS

User CV6: None

User CV7: None

User CV8: None

User CV9: None

User CV15: None

User CV18: None

User CV19: 1.00

User CV21: 1.00

User CV22: 1.00

User CV39: None

User CV Mask2: 256

TR Min: 2200.0

TR Max: 6000.0

DIFFUSION

Recon All Images: On

SCAN TIMING

Flip Angle: 111

TE: 80.0

Number of Echoes: 1

TR: 3436.0

Echo Train Length: 19

Receiver Bandwidth: 41.67

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

SCAN RANGE

FOV: 16.0

Slice Thickness: 5.0

Slice Spacing: 1.5

Number of Slices: 15

Table Delta: 0.00

ACQ TIMING

Freq: 288

Phase: 256

Freq DIR: Unswap

NEX: 2.00

Auto Shim: Auto

Phase Correct: On

RF Drive Mode: Quadrature

Excitation Mode: Selective

Fat Shift DIR: Normal

CONTRAST

Contrast Yes/No: No

TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

Anatomical Region: Shoulder

SAG T2 dk fat

SAG T2 dk fat

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	NPW, EDR, TRF, Fast, FR

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type: None

Fat/Water Saturation: Fat

USER CVS

User CV6: None

User CV7: None

User CV8: None

User CV9: None

User CV15: None

User CV18: None

User CV19: 1.00

User CV21: 1.00

User CV22: 1.00

User CV39: None

User CV Mask2: 256

TR Min: 2200.0

TR Max: 6000.0

DIFFUSION

Recon All Images: On

SCAN TIMING

Flip Angle: 111

TE: 80.0

Number of Echoes: 1

TR: 3189.0

Echo Train Length: 19

Receiver Bandwidth: 41.67

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

SCAN RANGE

FOV: 18.0

Slice Thickness: 4.0

Slice Spacing: 1.0

Number of Slices: 15

Table Delta: 0.00

ACQ TIMING

Freq: 288

Phase: 256

Freq DIR: Unswap

NEX: 2.00

Auto Shim: Auto

Phase Correct: On

RF Drive Mode: Quadrature

Excitation Mode: Selective

Fat Shift DIR: Normal

CONTRAST

Contrast Yes/No: No

TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

Anatomical Region: Shoulder

SAG T1

SAG T1

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	NPW, EDR, TRF, Fast, ARC
Phase:	1.50

Image Recon

Intensity Filter:	None
Intensity Correction:	PURE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing: None

Tag Type: None

USER CVS

User CV6: None

User CV7: None

User CV8: None

User CV9: None

User CV15: None

User CV16: None

User CV18: None

User CV21: 1.00

User CV22: 1.00

User CV39: None

User CV Mask2: 256

TR Min: 500.0

TR Max: 900.0

DIFFUSION

Recon All Images: On

SCAN TIMING

Flip Angle: 111

TE: 16.0

Number of Echoes: 1

TR: 500.0

Echo Train Length: 4

Receiver Bandwidth: 41.67

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

SCAN RANGE

FOV: 18.0

Slice Thickness: 4.0

Slice Spacing: 1.0

Table Delta: 0.00

ACQ TIMING

Freq: 288

Phase: 224

Freq DIR: Unswap

NEX: 2.00

Auto Shim: Auto

Phase Correct: On

RF Drive Mode: Quadrature

Excitation Mode: Selective

Fat Shift DIR: Normal

CONTRAST

Contrast Yes/No: No

TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

Anatomical Region: Shoulder

COR T1

COR T1

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	CORONAL

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	NPW, EDR, TRF, Fast, ARC
Phase:	1.50

Image Recon

Intensity Filter:	None
Intensity Correction:	PURE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing: None

Tag Type: None

USER CVS

User CV7: None

User CV8: None

User CV9: None

User CV15: None

User CV16: None

User CV18: None

User CV21: 1.00

User CV22: 1.00

User CV39: None

User CV Mask2: 256

TR Min: 500.0

TR Max: 850.0

DIFFUSION

Recon All Images: On

SCAN TIMING

Flip Angle: 111

TE: 16.0

Number of Echoes: 1

TR: 500.0

Echo Train Length: 4

Receiver Bandwidth: 41.67

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

SCAN RANGE

FOV: 18.0

Slice Thickness: 4.0

Slice Spacing: 1.0

Table Delta: 0.00

ACQ TIMING

Freq: 288

Phase: 224

Freq DIR: S/I

NEX: 2.00

Auto Shim: Auto

Phase Correct: On

RF Drive Mode: Quadrature

Excitation Mode: Selective

Fat Shift DIR: Normal (I)

CONTRAST

Contrast Yes/No: No

TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

Anatomical Region: Shoulder

COR T2 dk fat

COR T2 dk fat

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	NPW, EDR, TRF, Fast, FR

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type: None

Fat/Water Saturation: Fat

USER CVS

User CV6: None

User CV7: None

User CV8: None

User CV9: None

User CV15: None

User CV18: None

User CV19: 1.00

User CV21: 1.00

User CV22: 1.00

User CV39: None

User CV Mask2: 256

TR Min: 2200.0

TR Max: 6000.0

DIFFUSION

Recon All Images: On

SCAN TIMING

Flip Angle: 111

TE: 80.0

Number of Echoes: 1

TR: 3189.0

Echo Train Length: 19

Receiver Bandwidth: 41.67

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0

Mask Phase: 0

Mask Pause: 0

SCAN RANGE

FOV: 18.0

Slice Thickness: 4.0

Slice Spacing: 1.0

Number of Slices: 15

Table Delta: 0.00

ACQ TIMING

Freq: 288

Phase: 256

Freq DIR: Unswap

NEX: 2.00

Auto Shim: Auto

Phase Correct: On

RF Drive Mode: Quadrature

Excitation Mode: Selective

Fat Shift DIR: Normal

CONTRAST

Contrast Yes/No: No

TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

Anatomical Region: Shoulder

--Tumor ONLY--

--Tumor ONLY--

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	3-PLANE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	Spin Echo
Imaging Options:	Seq, EDR, Fast, SS

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type: None

USER CVS

User CV1: 1.0
User CV2: 240.00
User CV13: 1.00
TR Min: -
TR Max: -

DIFFUSION

Multi b-values: 1000.0;
Multi NEX Values: 1;
Recon All Images: On

SCAN TIMING

TE: 85.0
TR: Minimum
Receiver Bandwidth: 62.50

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0
Mask Phase: 0
Mask Pause: 0

SCAN RANGE

FOV: 30.0

Slice Thickness:	5.0
Slice Spacing:	5.0
Table Delta:	0.00

ACQ TIMING

Freq:	384
Phase:	256
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset

CONTRAST

Contrast Yes/No:	No
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TRICKS

Pause On/Off:	On
Auto Subtract:	0

OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Shoulder

pre AX T1 fat

pre AX T1 fat

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	NPW, EDR, TRF, Fast, ARC
Phase:	1.50

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
Tag Type:	None
Fat/Water Saturation:	Fat

USER CVS

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV17:	1.00
User CV18:	None
User CV19:	1.00
User CV21:	1.00
User CV22:	1.00
User CV39:	None
User CV Mask2:	256
TR Min:	500.0
TR Max:	900.0

DIFFUSION

Recon All Images:	On
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SCAN TIMING

Flip Angle:	111
TE:	16.0
Number of Echoes:	1
TR:	500.0

Echo Train Length:	4
Receiver Bandwidth:	41.67

GATING/TRIGGER

Auto Trigger Type:	Off
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MULTI-PHASE

Seperate Series:	0
Mask Phase:	0
Mask Pause:	0

SCAN RANGE

FOV:	16.0
Slice Thickness:	5.0
Slice Spacing:	1.5
Table Delta:	0.00

ACQ TIMING

Freq:	288
Phase:	224
Freq DIR:	Swap
NEX:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

CONTRAST

Contrast Yes/No:	No
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TRICKS

Pause On/Off:	On
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Auto Subtract:	0
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OTHERS

Anatomical Region:	Shoulder
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--Contrast--

--Contrast--

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	3-PLANE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	Spin Echo
Imaging Options:	Seq, EDR, Fast, SS

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type: None

USER CVS

User CV1: 1.0
User CV2: 240.00
User CV13: 1.00
TR Min: -
TR Max: -

DIFFUSION

Multi b-values: 1000.0;
Multi NEX Values: 1;
Recon All Images: On

SCAN TIMING

TE: 85.0
TR: Minimum
Receiver Bandwidth: 62.50

GATING/TRIGGER

Auto Trigger Type: Off

MULTI-PHASE

Seperate Series: 0
Mask Phase: 0
Mask Pause: 0

SCAN RANGE

FOV: 30.0

Slice Thickness:	5.0
Slice Spacing:	5.0
Table Delta:	0.00

ACQ TIMING

Freq:	384
Phase:	256
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset

CONTRAST

Contrast Yes/No:	No
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TRICKS

Pause On/Off:	On
Auto Subtract:	0

OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Shoulder

+COR T1 fat

+COR T1 fat

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	NPW, EDR, TRF, Fast, ARC
Phase:	1.50

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
Tag Type:	None
Fat/Water Saturation:	Fat

USER CVS

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	1.00
User CV22:	1.00
User CV39:	None
User CV Mask2:	256
TR Min:	500.0
TR Max:	900.0

DIFFUSION

Recon All Images:	On
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SCAN TIMING

Flip Angle:	111
TE:	16.0
Number of Echoes:	1
TR:	500.0
Echo Train Length:	4

Receiver Bandwidth:	41.67
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GATING/TRIGGER

Auto Trigger Type:	Off
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MULTI-PHASE

Seperate Series:	0
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Mask Phase:	0
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Mask Pause:	0
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SCAN RANGE

FOV:	18.0
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Slice Thickness:	4.0
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Slice Spacing:	1.0
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Table Delta:	0.00
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ACQ TIMING

Freq:	288
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Phase:	192
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Freq DIR:	Unswap
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NEX:	2.00
------	------

Auto Shim:	Auto
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Phase Correct:	On
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RF Drive Mode:	Quadrature
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Excitation Mode:	Selective
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Fat Shift DIR:	Normal
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CONTRAST

Contrast Yes/No:	Yes
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TRICKS

Pause On/Off:	On
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Auto Subtract:	0
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OTHERS

Anatomical Region:	Shoulder
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+AX T1 fat

+AX T1 fat

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	NPW, EDR, TRF, Fast, ARC
Phase:	1.50

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
Tag Type:	None
Fat/Water Saturation:	Fat

USER CVS

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	1.00
User CV22:	1.00
User CV39:	None
User CV Mask2:	256
TR Min:	500.0
TR Max:	900.0

DIFFUSION

Recon All Images:	On
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SCAN TIMING

Flip Angle:	111
TE:	16.0
Number of Echoes:	1
TR:	500.0
Echo Train Length:	4

Receiver Bandwidth:	41.67
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GATING/TRIGGER

Auto Trigger Type:	Off
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MULTI-PHASE

Seperate Series:	0
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Mask Phase:	0
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Mask Pause:	0
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SCAN RANGE

FOV:	16.0
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Slice Thickness:	5.0
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Slice Spacing:	1.5
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Table Delta:	0.00
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ACQ TIMING

Freq:	288
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Phase:	192
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Freq DIR:	Unswap
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NEX:	2.00
------	------

Auto Shim:	Auto
------------	------

Phase Correct:	On
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RF Drive Mode:	Quadrature
----------------	------------

Excitation Mode:	Selective
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Fat Shift DIR:	Normal
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CONTRAST

Contrast Yes/No:	Yes
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TRICKS

Pause On/Off:	On
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Auto Subtract:	0
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OTHERS

Anatomical Region:	Shoulder
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+SAG T1 FAT

+SAG T1 FAT

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	FSE-XL
Imaging Options:	NPW, EDR, TRF, Fast, ARC
Phase:	1.50

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
Tag Type:	None
Fat/Water Saturation:	Fat

USER CVS

User CV6:	None
User CV7:	None
User CV8:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	1.00
User CV22:	1.00
User CV39:	None
User CV Mask2:	256
TR Min:	500.0
TR Max:	900.0

DIFFUSION

Recon All Images:	On
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SCAN TIMING

Flip Angle:	111
TE:	16.0
Number of Echoes:	1
TR:	500.0
Echo Train Length:	4

Receiver Bandwidth:	41.67
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GATING/TRIGGER

Auto Trigger Type:	Off
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MULTI-PHASE

Seperate Series:	0
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Mask Phase:	0
-------------	---

Mask Pause:	0
-------------	---

SCAN RANGE

FOV:	18.0
------	------

Slice Thickness:	4.0
------------------	-----

Slice Spacing:	1.0
----------------	-----

Table Delta:	0.00
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ACQ TIMING

Freq:	288
-------	-----

Phase:	192
--------	-----

Freq DIR:	Unswap
-----------	--------

NEX:	2.00
------	------

Auto Shim:	Auto
------------	------

Phase Correct:	On
----------------	----

RF Drive Mode:	Quadrature
----------------	------------

Excitation Mode:	Selective
------------------	-----------

Fat Shift DIR:	Normal
----------------	--------

CONTRAST

Contrast Yes/No:	Yes
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TRICKS

Pause On/Off:	On
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Auto Subtract:	0
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OTHERS

Anatomical Region:	Shoulder
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--optional--

--optional--

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	3-PLANE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	Spin Echo
Imaging Options:	Seq, EDR, Fast, SS

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
Slice Order:	Interleaved
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type:	None
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USER CVS

User CV1:	1.00
User CV2:	240.00
User CV13:	1.00
User CV15:	None
User CV39:	1.00
User CV Mask2:	256

DIFFUSION

Recon All Images:	On
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SCAN TIMING

TE:	85.0
TR:	Minimum
Receiver Bandwidth:	62.50

GATING/TRIGGER

Auto Trigger Type:	Off
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MULTI-PHASE

Seperate Series:	0
Mask Phase:	0
Mask Pause:	0

SCAN RANGE

FOV:	30.0
Slice Thickness:	5.0

Slice Spacing:	5.0
Table Delta:	0.00

ACQ TIMING

Freq:	384
Phase:	256
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

CONTRAST

Contrast Yes/No:	No
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TRICKS

Pause On/Off:	On
Auto Subtract:	0

OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Shoulder

T2 FS PROPELLER

T2 FS PROPELLER

PATIENT POSITION

Coil Configuration:	GEM Flex LG Full
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Pulse Sequence:	PROPELLER
Imaging Options:	EDR, TRF, Fast, FR, ARC
Phase:	2.00

Image Recon

Intensity Filter:	None
Intensity Correction:	NONE

FMRI

Brain Wave Real Time:	None
PSD Trigger:	Internal
View Order:	Bottom/Up
# of Repetitions REST:	0
# of Repetitions ACTIVE:	0

SAT

Tag Spacing:	None
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Tag Type: None

Fat/Water Saturation: Fat

USER CVS

User CV5: 1.00

User CV6: None

User CV15: None

User CV19: 1.00

User CV22: None

User CV39: 1.00

User CV Mask2: 256

TR Min: 400.0

TR Max: 11000.0

DIFFUSION

Synthetic b-values: 1

Synthetic b-value: 1000.0;

Recon All Images: On

SCAN TIMING

Flip Angle: 80

Number of Echoes: 1

TR: 2440.0

Echo Train Length: 24

Receiver Bandwidth: 41.67

GATING/TRIGGER

Auto Trigger Type: Off

Resp. Trigger Point:	30
Resp. Trigger Window:	10

MULTI-PHASE

Seperate Series:	0
Mask Phase:	0
Mask Pause:	0
Preserve:	0

SCAN RANGE

FOV:	10.0
Slice Thickness:	4.0
Slice Spacing:	1.0
Number of Slices:	12
Table Delta:	0.00

ACQ TIMING

Freq:	320
Freq DIR:	A/P
NEX:	4.00
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (A)

CONTRAST

Contrast Yes/No:	No
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TRICKS

Pause On/Off: On

Auto Subtract: 0

OTHERS

Anatomical Region: Shoulder