

Shoulder Osteo/Abscess (Adult) SIGNA Architect

Technical Instructions

RT-3-PLANE LOC

LT-3-PLANE LOC

Ax T2 Fat DL

Sag T2 dk fat DL

Cor T2 dk fat DL

Ax T1 DL

Sag T1 DL

Cor T1 DL

--Tumor ONLY--

Pre AxT1 fat DL

--contrast--

+C Ax T1 fat DL

+C Cor T1 fat DL

+C Sag T1 fat DL

--optional--

Sag T2 PROPELLER

RT-3-PLANE LOC

Details tab

Protocol notes

RT-3-PLANE LOC

PATIENT POSITION

Coil Configuration:GE20chFlexM

Plane:3-PLANE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:Seq, EDR, TRF, Fast, SS, ARC

Pulse Sequence:Spin Echo

ARC Phase:2.00

Image Recon

Recon DL Strength:Off

Intensity Correction:NONE

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:32.0

Slice Thickness:7.00

Slice Spacing:5.0

Overlap Locations:0

No Phase Wrap:1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 1.3 X 7.0
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

SCAN TIMING

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

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Shoulder

USER CVS

User CV1:	1.00
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Details tab

Protocol notes

LT-3-PLANE LOC

PATIENT POSITION

Coil Configuration:

GE20chFlexM

Plane:

3-PLANE

IMAGING PARAMETERS

Imaging Mode:

2D

Imaging Options:

Seq, EDR, TRF, Fast, SS, ARC

Pulse Sequence:

Spin Echo

ARC Phase:

2.00

Image Recon

Recon DL Strength:

Off

Intensity Correction:

NONE

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

32.0

Slice Thickness:

7.00

Slice Spacing:

5.0

Overlap Locations:

0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 1.3 X 7.0
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

SCAN TIMING

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

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Shoulder

USER CVS

User CV1:	1.00
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Details tab

Protocol notes

Ax T2 Fat DL

PATIENT POSITION

Coil Configuration: GE20chFlexM

Plane: OBLIQUE

IMAGING PARAMETERS

Imaging Mode: 2D

Imaging Options: EDR, TRF, Fast, FR

Pulse Sequence: FSE-XL

Image Recon

Recon DL Strength: Medium

Intensity Correction: NONE

Intensity Filter: None

Save Original: Off

SCAN RANGE

FOV: 16.0

Slice Thickness: 5.00

Slice Spacing: 1.5

Overlap Locations: 0

Number of Slices: 15

No Phase Wrap: 1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 5.0
Freq:	288
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111
TE:	80.0
Number of Echoes:	1
TR:	3500.0
Echo Train Length:	19
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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Fat/Water Saturation:***Fat*****USER CVS**

User CV6:	None
User CV9:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00

Non-Viewable Parameters

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Sag T2 dk fat DL

Details tab

Protocol notes

Sag T2 dk fat DL

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

Recon DL Strength:	Medium
Intensity Correction:	NONE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	18.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
Number of Slices:	15
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.7 X 4.0
Freq:	288
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111
TE:	80.0
Number of Echoes:	1
TR:	3500.0
Echo Train Length:	19
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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SAT

Fat/Water Saturation:***Fat*****USER CVS**

User CV6:	None
User CV9:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00

Non-Viewable Parameters

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Cor T2 dk fat DL

Details tab

Protocol notes

Cor T2 dk fat DL

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

Recon DL Strength:	Medium
Intensity Correction:	NONE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	18.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
Number of Slices:	15
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.7 X 4.0
Freq:	288
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111
TE:	80.0
Number of Echoes:	1
TR:	3500.0
Echo Train Length:	19
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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SAT

Fat/Water Saturation:***Fat*****USER CVS**

User CV6:	None
User CV9:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00

Non-Viewable Parameters

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Ax T1 DL

Details tab

Protocol notes

Ax T1 DL

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	AXIAL

IMAGING PARAMETERS

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

Image Recon

Recon DL Strength:	Medium
Intensity Correction:	PURE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	16.0
Slice Thickness:	5.00
Slice Spacing:	1.5
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 5.0
Freq:	288
Phase:	256
Freq DIR:	A/P
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal (A)

SCAN TIMING

Flip Angle:	111
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV30:	1.00
User CV40:	None

Non-Viewable Parameters

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Sag T1 DL

Details tab

Protocol notes

Sag T1 DL

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

Recon DL Strength:	Medium
Intensity Correction:	PURE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	18.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.7 X 4.0
Freq:	288
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV30:	1.00
User CV40:	None

Non-Viewable Parameters

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Cor T1 DL

Details tab

Protocol notes

Cor T1 DL

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	CORONAL

IMAGING PARAMETERS

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

Image Recon

Recon DL Strength:	Medium
Intensity Correction:	PURE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	18.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.7 X 4.0
Freq:	288
Phase:	256
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal (I)

SCAN TIMING

Flip Angle:	111
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV30:	1.00
User CV40:	None

Non-Viewable Parameters

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--Tumor ONLY--

Details tab

Protocol notes

--Tumor ONLY--

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	3-PLANE

IMAGING PARAMETERS

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

Image Recon

Intensity Correction:	NONE
Intensity Filter:	None

SCAN RANGE

FOV:	30.0
Slice Thickness:	5.0
Slice Spacing:	5.0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 1.2 X 5.0
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

SCAN TIMING

TE:	85.0
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Shoulder

GATING/TRIGGER

Auto Trigger Type:	Off
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USER CVS

User CV1:	1.0
User CV2:	240.00
User CV13:	1.00

TR Min: -
TR Max: -

Non-Viewable Parameters

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Pre AxT1 fat DL

Details tab

Protocol notes

Pre AxT1 fat DL

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

Recon DL Strength:	Medium
Intensity Correction:	NONE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	16.0
Slice Thickness:	5.00
Slice Spacing:	1.5
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 5.0
Freq:	288
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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Fat/Water Saturation:***Fat*****USER CVS**

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00

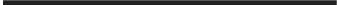
Non-Viewable Parameters

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--contrast--

Details tab

Protocol notes



--contrast--

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	3-PLANE



IMAGING PARAMETERS

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



Image Recon

Intensity Correction:	NONE
Intensity Filter:	None



SCAN RANGE

FOV:	30.0
Slice Thickness:	5.0
Slice Spacing:	5.0
No Phase Wrap:	1.00



ACQ TIMING

Acq Voxel Size:	0.8 X 1.2 X 5.0
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

SCAN TIMING

TE:	85.0
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Shoulder

GATING/TRIGGER

Auto Trigger Type:	Off
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USER CVS

User CV1:	1.0
User CV2:	240.00
User CV13:	1.00

TR Min: -
TR Max: -

Non-Viewable Parameters

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+C Ax T1 fat DL

Details tab

Protocol notes

+C Ax T1 fat DL

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

Recon DL Strength:	Medium
Intensity Correction:	NONE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	16.0
Slice Thickness:	5.00
Slice Spacing:	1.5
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 5.0
Freq:	288
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Shoulder
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Fat/Water Saturation:***Fat*****USER CVS**

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00

Non-Viewable Parameters

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+C Cor T1 fat DL

Details tab

Protocol notes

+C Cor T1 fat DL

PATIENT POSITION

Coil Configuration: GE20chFlexM

Plane: OBLIQUE

IMAGING PARAMETERS

Imaging Mode: 2D

Imaging Options: EDR, TRF, Fast, ARC

Pulse Sequence: FSE-XL

ARC Phase: 1.50

Image Recon

Recon DL Strength: Medium

Intensity Correction: NONE

Intensity Filter: None

Save Original: Off

SCAN RANGE

FOV: 18.0

Slice Thickness: 4.00

Slice Spacing: 1.0

Overlap Locations: 0

No Phase Wrap: 1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.7 X 4.0
Freq:	288
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Shoulder
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SAT

Fat/Water Saturation:***Fat*****USER CVS**

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00

Non-Viewable Parameters

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+C Sag T1 fat DL

Details tab

Protocol notes

+C Sag T1 fat DL

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

Recon DL Strength:	Medium
Intensity Correction:	NONE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	18.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.7 X 4.0
Freq:	288
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Shoulder
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Fat/Water Saturation:***Fat*****USER CVS**

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00

Non-Viewable Parameters

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--optional--

Details tab

Protocol notes

--optional--

PATIENT POSITION

Coil Configuration:

GE20chFlexM

Plane:

3-PLANE

IMAGING PARAMETERS

Imaging Mode:

2D

Imaging Options:

Seq, EDR, Fast, SS

Pulse Sequence:

Spin Echo

Image Recon

Intensity Correction:

NONE

Intensity Filter:

None

SCAN RANGE

FOV:

30.0

Slice Thickness:

5.0

Slice Spacing:

5.0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:

0.8 X 1.2 X 5.0

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

SCAN TIMING

TE:	85.0
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Shoulder

GATING/TRIGGER

Auto Trigger Type:	Off
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USER CVS

User CV1:	1.0
User CV2:	240.00
User CV13:	1.00

TR Min: -

TR Max: -

Non-Viewable Parameters

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Sag T2 PROPELLER

Details tab

Protocol notes

Sag T2 PROPELLER

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

Recon DL Strength:	Off
Intensity Correction:	NONE
Intensity Filter:	None
Save Original:	Off

SCAN RANGE

FOV:	10.0
Slice Thickness:	3.00
Slice Spacing:	0.5
Overlap Locations:	0
Number of Slices:	12

No Phase Wrap:

2.00

ACQ TIMING

Acq Voxel Size:	0.3 X 0.3 X 3.0
Freq:	320
Freq DIR:	R/L
NEX:	4.00
# of Acq. Before Pause:	0
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	80
TE:	80.0
Number of Echoes:	1
TR:	969.0
Echo Train Length:	19
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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GATING/TRIGGER

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

USER CVS

User CV6:	None
User CV15:	None
User CV30:	1.00
TR Min:	400.0
TR Max:	11000.0

Non-Viewable Parameters	ñ
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