

Humerus wo or Osteo Abscess (Adult) SIGNA Architect

Technical Instructions

RT-3-PLANE LOC

LT-3-PLANE LOC

Cor STIR DL

Sag STIR DL

Ax T2 Fat DL

Cor T1 DL

Ax T1 DL

Sag T1 DL

--optional contrast--

+C Ax T1 Fat DL

+C Cor T1 Fat DL

+C Sag T1 Fat DL

RT-3-PLANE LOC

Details tab

Protocol notes

RT-3-PLANE LOC

PATIENT POSITION

Coil Configuration:

GE40chGEMPA, Inv16chCardiacAA

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:

30.0

Slice Thickness:

5.00

Slice Spacing:

5.0

Overlap Locations:

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
Excitation Mode:	Selective

SCAN TIMING

TE:	85.0
Number of Echoes:	1
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Humerus

USER CVS

User CV1:	1.00
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Details tab

Protocol notes

LT-3-PLANE LOC

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, Inv16chCardiacAA
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

Intensity Correction:	NONE
Intensity Filter:	None
Save Original:	Off

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

Excitation Mode: Selective

SCAN TIMING

TE: 85.0

Number of Echoes: 1

TR: Minimum

Receiver Bandwidth: 62.50

CONTRAST

Contrast Yes/No: No

OTHERS

3D Geometry Correction: Off

Anatomical Region: Humerus

GATING/TRIGGER

Auto Trigger Type: Off

USER CVS

User CV1:	1.00
User CV16:	None
User CV39:	1.00

Non-Viewable Parameters

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Cor STIR DL

Details tab

Protocol notes

Cor STIR DL

PATIENT POSITION

Coil Configuration:GE40chGEMPA, GE16chTDIAA

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:FC, Seq, EDR, TRF, Fast, ARC, IrP

Pulse Sequence:FSE-XL

PSD Name:frfse-xl

ARC Phase:2.00

Image Recon

Recon DL Strength:Medium

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:30.0

Slice Thickness:4.00

Slice Spacing:1.5

Overlap Locations:0

No Phase Wrap:

2.00

ACQ TIMING

Acq Voxel Size:	0.9 X 1.2 X 4.0
Freq:	320
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
Flow Comp Direction:	Freq
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111.0
TE:	40.0
Number of Echoes:	1
TR:	3400.0
TI:	180
Echo Train Length:	8
Receiver Bandwidth:	41.67

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Leg
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USER CVS

User CV15:	None
User CV18:	None
User CV21:	None
User CV28:	None
User CV41:	None

Non-Viewable Parameters

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Sag STIR DL

Details tab

Protocol notes

Sag STIR DL

PATIENT POSITION

Coil Configuration:

GE40chGEMPA, GE16chTDIAA

Plane:

OBLIQUE

IMAGING PARAMETERS

Imaging Mode:

2D

Imaging Options:

FC, Seq, EDR, TRF, Fast, ARC, IrP

Pulse Sequence:

FSE-XL

PSD Name:

frfse-xl

ARC Phase:

2.00

Image Recon

Recon DL Strength:

Medium

Intensity Correction:

SCENIC

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

30.0

Slice Thickness:

4.00

Slice Spacing:

1.5

Overlap Locations:

0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.9 X 1.6 X 4.0
Freq:	320
Phase:	192
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	0.80
Auto Shim:	Auto
Phase Correct:	Off
Flow Comp Direction:	Freq
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111.0
TE:	40.0
Number of Echoes:	1
TR:	3400.0
TI:	180
Echo Train Length:	8
Receiver Bandwidth:	41.67

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Leg
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USER CVS

User CV15:	None
User CV18:	None
User CV21:	None
User CV28:	None
User CV41:	None

Non-Viewable Parameters

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Ax T2 Fat DL

Details tab

Protocol notes

Ax T2 Fat DL

PATIENT POSITION

Coil Configuration:GE40chGEMPA, Inv16chCardiacAA

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:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:16.0

Slice Thickness:5.00

Slice Spacing:2.0

Overlap Locations:0

Number of Slices:15

No Phase Wrap:1.00

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:	0.90
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111
TE:	85.0
Number of Echoes:	1
TR:	3500.0
Echo Train Length:	16
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Humerus
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SAT

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

User CV6:	None
User CV7:	None
User CV9:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00
User CV41:	None

Non-Viewable Parameters

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Cor T1 DL

Details tab

Protocol notes

Cor T1 DL

PATIENT POSITION

Coil Configuration:

GE40chGEMPA, Inv16chCardiacAA

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:

SCENIC

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

30.0

Slice Thickness:

4.00

Slice Spacing:

1.5

Overlap Locations:

0

No Phase Wrap:

2.00

ACQ TIMING

Acq Voxel Size:	0.9 X 1.2 X 4.0
Freq:	320
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:	111.0
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Humerus
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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 CV41:	None

Non-Viewable Parameters

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Ax T1 DL

Details tab

Protocol notes

Ax T1 DL

PATIENT POSITION

Coil Configuration:

GE40chGEMPA, Inv16chCardiacAA

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:

SCENIC

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

16.0

Slice Thickness:

5.00

Slice Spacing:

2.0

Overlap Locations:

0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.5 X 0.6 X 5.0
Freq:	320
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:	Humerus
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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 CV41:	None

Non-Viewable Parameters

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Sag T1 DL

Details tab

Protocol notes

Sag T1 DL

PATIENT POSITION

Coil Configuration:

GE40chGEMPA, Inv16chCardiacAA

Plane:

SAGITTAL

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:

SCENIC

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

30.0

Slice Thickness:

4.00

Slice Spacing:

1.5

Overlap Locations:

0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.9 X 1.2 X 4.0
Freq:	320
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 (S)

SCAN TIMING

Flip Angle:	111.0
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Humerus
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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 CV41:	None

Non-Viewable Parameters

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--optional contrast--

Details tab

Protocol notes

--optional contrast--

PATIENT POSITION

Coil Configuration:

GE40chGEMPA, Inv16chCardiacAA

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:	Humerus

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:GE40chGEMPA, Inv16chCardiacAA

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:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:16.0

Slice Thickness:5.00

Slice Spacing:2.0

Overlap Locations:0

No Phase Wrap:1.00

ACQ TIMING

Acq Voxel Size:	0.5 X 0.6 X 5.0
Freq:	320
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:	Humerus
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SAT

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

User CV6:	None
User CV7:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00
User CV41:	None

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:

GE40chGEMPA, Inv16chCardiacAA

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:

SCENIC

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

30.0

Slice Thickness:

4.00

Slice Spacing:

1.5

Overlap Locations:

0

No Phase Wrap:

2.00

ACQ TIMING

Acq Voxel Size:	0.9 X 1.2 X 4.0
Freq:	320
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:	111.0
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Humerus
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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 CV41:	None

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:

GE40chGEMPA, Inv16chCardiacAA

Plane:

SAGITTAL

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:

SCENIC

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

30.0

Slice Thickness:

4.00

Slice Spacing:

1.5

Overlap Locations:

0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.9 X 1.2 X 4.0
Freq:	320
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 (S)

SCAN TIMING

Flip Angle:	111.0
TE:	16.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Humerus
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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 CV41:	None

Non-Viewable Parameters

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