

msk SI Joints-Sacroilitis SIGNA Architect

Technical Instructions

3-Plane Loc

Obl Cor T1 DL

Obl Cor STIR DL

Obl AX T1 DL

Obl AX T2 Fat DL

Obl Cor T1 Lava Fat

Obl Cor oZTEo MR Bone

+C Obl Cor T1 Fat DL

+C Obl Ax T1 Fat DL

3-Plane Loc

Details tab

Protocol notes

3-Plane Loc

PATIENT POSITION

Coil Configuration:

GE40chGEMPA, GE16chTDIAA

Plane:

3-PLANE

IMAGING PARAMETERS

Imaging Mode:

2D

Imaging Options:

Seq, EDR, Fast, SS

Pulse Sequence:

Spin Echo

Image Recon

Recon DL Strength:

Off

Intensity Correction:

NONE

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

40.0

Slice Thickness:

5.00

Slice Spacing:

5.0

Overlap Locations:

0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	1.6 X 3.1 X 5.0
Freq:	256
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective

SCAN TIMING

TE:	80.0
Number of Echoes:	1
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Sacroiliac joint
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USER CVS

User CV1:	1.00
User CV2:	240.00

User CV13:

1.00

Non-Viewable Parameters

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Obl Cor T1 DL

Details tab

Protocol notes

Obl Cor T1 DL

PATIENT POSITION

Coil Configuration:

GE40chGEMPA, GE16chTDIAA

Plane:

OBLIQUE

IMAGING PARAMETERS

Imaging Mode:

2D

Imaging Options:

FC, 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:

22.0

Slice Thickness:

3.00

Slice Spacing:

0.3

Overlap Locations:

0

Number of Slices:

21

No Phase Wrap:

1.75

ACQ TIMING

Acq Voxel Size:	0.7 X 0.8 X 3.0
Freq:	320
Phase:	288
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
Flow Comp Direction:	Slice
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
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:

Sacroiliac joint

USER CVS

User CV6:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV26:	1.00
User CV29:	None
User CV41:	None

Non-Viewable Parameters

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Obl Cor STIR DL

Details tab

Protocol notes

Obl 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

ARC Phase:

1.50

Image Recon

Recon DL Strength:

Medium

Intensity Correction:

SCENIC

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

22.0

Slice Thickness:

3.00

Slice Spacing:

0.3

Overlap Locations:

0

No Phase Wrap:

1.75

ACQ TIMING

Acq Voxel Size:	0.7 X 0.9 X 3.0
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:	42.0
Number of Echoes:	1
TR:	5234.0
TI:	180
Echo Train Length:	13
Receiver Bandwidth:	50.00

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Sacroiliac joint
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SAT

SAT Location S:	Default
SAT Location I:	Default

USER CVS

User CV15:	None
User CV18:	None
User CV21:	1.00
User CV26:	1.00
User CV28:	None
User CV29:	None
User CV41:	None

Obl AX T1 DL

Details tab

Protocol notes

Obl AX T1 DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	FC, 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:	22.0
Slice Thickness:	4.00
Slice Spacing:	1.5
Overlap Locations:	0
Number of Slices:	13

No Phase Wrap:

1.75

ACQ TIMING

Acq Voxel Size:	0.7 X 0.8 X 4.0
Freq:	320
Phase:	288
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
Flow Comp Direction:	Slice
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
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:

Sacroiliac joint

USER CVS

User CV6:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV26:	1.00
User CV29:	None
User CV41:	None

Non-Viewable Parameters

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Obl AX T2 Fat DL

Details tab

Protocol notes

Obl AX T2 Fat DL

PATIENT POSITION

Coil Configuration:

GE40chGEMPA, GE16chTDIAA

Plane:

OBLIQUE

IMAGING PARAMETERS

Imaging Mode:

2D

Imaging Options:

FC, EDR, TRF, Fast, FR, 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:

22.0

Slice Thickness:

4.00

Slice Spacing:

1.5

Overlap Locations:

0

No Phase Wrap:

1.75

ACQ TIMING

Acq Voxel Size:	0.5 X 0.7 X 4.0
Freq:	420
Phase:	320
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
Flow Comp Direction:	Slice
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111.0
TE:	85.0
Number of Echoes:	1
TR:	3500.0
Echo Train Length:	21
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Sacroiliac joint
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SAT

Fat/Water Saturation:	Fat
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USER CVS

User CV6:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV26:	1.00
User CV29:	None
User CV41:	None

Non-Viewable Parameters

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Obl Cor T1 Lava Fat

Details tab

Protocol notes

Obl Cor T1 Lava Fat

PATIENT POSITION

Coil Configuration:GE40chGEMPA, GE16chTDIAA

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:3D

Imaging Options:EDR, Fast, ZIP512

Pulse Sequence:LAVA

Image Recon

Intensity Correction:PURE

Intensity Filter:None

Save Original:On

SCAN RANGE

FOV:22.0

Slice Thickness:1.3

Slices per Slab:156

Overlap Locations:0

No Phase Wrap:2.00

Slice Resolution(%):50

ACQ TIMING

Acq Voxel Size:	0.7 X 1.1 X 2.6
Freq:	320
Phase:	192
Freq DIR:	Unswap
NEX:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	15
Number of Echoes:	1
TI:	6
Receiver Bandwidth:	125.00

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	On
Anatomical Region:	Rectum

SAT

Fat/Water Saturation:	Fat Special
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GATING/TRIGGER

Auto Trigger Type: ***Off***

USER CVS

User CV4:	None
User CV6:	None
User CV13:	None
User CV40:	None

Non-Viewable Parameters	ñ
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Obl Cor oZTEo MR Bone

Details tab

Protocol notes

Obl Cor oZTEo MR Bone

PATIENT POSITION

Coil Configuration:GE30chAirAA, GE40chGEMPA

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:3D

Imaging Options:Fast, SqP

Pulse Sequence:SPGR

PSD Name:ozteo

Image Recon

Recon DL Strength:Off

Intensity Correction:SCENIC

Intensity Filter:G - Noise reduction

Save Original:On

SCAN RANGE

FOV:22.0

Slice Thickness:1.60

Overlap Locations:0

No Slab Wrap:1.00

Slice Resolution(%):100.00

ACQ TIMING

Acq Voxel Size:	1.2 X 1.2 X 1.6
Freq:	180
Freq DIR:	Unswap
NEX:	8.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Spokes Per Segment:	384

SCAN TIMING

Flip Angle:	1
Number of Echoes:	1
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Hip joint
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GATING/TRIGGER

Pause After Navigator Prescan:	0
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USER CVS

User CV4:	None
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User CV41:

None

Non-Viewable Parameters

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+C Obl Cor T1 Fat DL

Details tab

Protocol notes

+C Obl Cor T1 Fat DL

PATIENT POSITION

Coil Configuration:GE40chGEMPA, GE16chTDIAA

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:FC, 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:22.0

Slice Thickness:3.00

Slice Spacing:0.3

Overlap Locations:0

Number of Slices:21

No Phase Wrap:

1.75

ACQ TIMING

Acq Voxel Size:	0.7 X 0.8 X 3.0
Freq:	320
Phase:	288
Freq DIR:	S/I
NEX:	1.00
# of Acq. Before Pause:	0
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 (S)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
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:	Sacroiliac joint
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SAT

Fat/Water Saturation:	Fat
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USER CVS

User CV6:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV26:	1.00
User CV29:	None
User CV41:	None

Non-Viewable Parameters

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+C Obl Ax T1 Fat DL

Details tab

Protocol notes

+C Obl Ax T1 Fat DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	FC, 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:	22.0
Slice Thickness:	4.00
Slice Spacing:	1.5
Overlap Locations:	0
Number of Slices:	13

No Phase Wrap:

1.75

ACQ TIMING

Acq Voxel Size:	0.7 X 0.8 X 4.0
Freq:	320
Phase:	288
Freq DIR:	S/I
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
Flow Comp Direction:	Slice
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	111.0
TE:	20.0
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:	Sacroiliac joint
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SAT

Fat/Water Saturation:	Fat
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USER CVS

User CV6:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV26:	1.00
User CV29:	None
User CV41:	None

Non-Viewable Parameters

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