

msk Hip Arthrogram SIGNA Architect

Technical Instructions

3-Plane Loc

+C Cor T1 Fat DL

+C Cor T2 Fat DL

+C Sag PD Fat DL

+C Obl AX T1 Fat DL

+C Ax T1 DL

+C Ax T2 Fat DL

+C Sag 3D IDEAL-SPGR

MultiPlanar Reconstruction (MPR)

3-Plane Loc

Details tab

Protocol notes

3-Plane Loc

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, Inv16chCardiacAA
Plane:	3-PLANE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	Seq, EDR, 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:	40.0
Slice Thickness:	5.00
Slice Spacing:	10.0
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:	Hip 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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+C Cor T1 Fat DL

Details tab

Protocol notes

+C Cor 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:	On

SCAN RANGE

FOV:	20.0
Slice Thickness:	3.00
Slice Spacing:	0.3
Overlap Locations:	0
Number of Slices:	36

No Phase Wrap: 2.00

ACQ TIMING

Acq Voxel Size: 0.6 X 0.7 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
RF Drive Mode: Preset
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCAN TIMING

Flip Angle: 111.0
TE: 18.0
Number of Echoes: 1
TR: 802.0
Echo Train Length: 4
Receiver Bandwidth: 62.50

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region:

Hip joint

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 CV26:

1.00

User CV41:

None

TR Min:

400.0

TR Max:

850.0

Non-Viewable Parameters

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+C Cor T2 Fat DL

Details tab

Protocol notes

+C Cor T2 Fat DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, Inv16chCardiacAA
Plane:	CORONAL

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	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:	On

SCAN RANGE

FOV:	20.0
Slice Thickness:	3.00
Slice Spacing:	0.3
Overlap Locations:	0
No Phase Wrap:	2.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.7 X 3.0
Freq:	320
Phase:	288
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (I)

SCAN TIMING

Flip Angle:	111.0
TE:	60.0
Number of Echoes:	1
TR:	2500.0
Echo Train Length:	10
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Hip joint
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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 CV26:	1.00
User CV41:	None
TR Min:	2500.0
TR Max:	11000.0

Non-Viewable Parameters

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+C Sag PD Fat DL

Details tab

Protocol notes

+C Sag PD Fat DL

PATIENT POSITION

Coil Configuration:	GE16chTDIAA, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, FR, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	1.30

Image Recon

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

SCAN RANGE

FOV:	18.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 4.0
Freq:	320
Phase:	288
Freq DIR:	Unswap
NEX:	2.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111.0
TE:	25.0
Number of Echoes:	1
TR:	2500.0
Echo Train Length:	12
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Hip joint
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Fat/Water Saturation:

Fat Classic

USER CVS

User CV6:	None
User CV7:	None
User CV9:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	1.00
User CV26:	1.00
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, Inv16chCardiacAA
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:	18.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
Number of Slices:	16

No Phase Wrap: 1.50

ACQ TIMING

Acq Voxel Size: 0.6 X 0.6 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: 18.0
Number of Echoes: 1
TR: 800.0
Echo Train Length: 4
Receiver Bandwidth: 62.50

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Hip joint

SAT

Fat/Water Saturation: Fat Classic

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 CV41:	None

Non-Viewable Parameters

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+C Ax T1 DL

Details tab

Protocol notes

+C Ax T1 DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, Inv16chCardiacAA
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:	18.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
Number of Slices:	16

No Phase Wrap: 1.50

ACQ TIMING

Acq Voxel Size: 0.6 X 0.6 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: 18.0
Number of Echoes: 1
TR: 800.0
Echo Train Length: 4
Receiver Bandwidth: 62.50

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region:

Hip joint

USER CVS

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

Non-Viewable Parameters

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+C Ax T2 Fat DL

Details tab

Protocol notes

+C Ax T2 Fat DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, Inv16chCardiacAA
Plane:	AXIAL

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:	18.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
Number of Slices:	25

No Phase Wrap: 1.50

ACQ TIMING

Acq Voxel Size: 0.6 X 0.6 X 4.0
Freq: 320
Phase: 288
Freq DIR: R/L
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 (L)

SCAN TIMING

Flip Angle: 111.0
TE: 85.0
Number of Echoes: 1
TR: 2800.0
Echo Train Length: 20
Receiver Bandwidth: 62.50

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Hip joint

SAT

Fat/Water Saturation: Fat Classic

USER CVS

User CV6: None

User CV15: None

User CV18: None

User CV19: 1.00

User CV21: None

User CV26: 1.00

User CV41: None

Non-Viewable Parameters

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+C Sag 3D IDEAL-SPGR

Details tab

Protocol notes

+C Sag 3D IDEAL-SPGR

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, Inv16chCardiacAA
Plane:	SAGITTAL

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, Asset, IDEAL
Pulse Sequence:	SPGR
IDEAL:	3
Phase:	2.00

Image Recon

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

SCAN RANGE

FOV:	20.0
Slice Thickness:	0.8
Slices per Slab:	112
Overlap Locations:	0
Number of Slices:	1
No Phase Wrap:	1.00

Slice Resolution(%): 50

ACQ TIMING

Acq Voxel Size: 0.6 X 0.6 X 1.6
Freq: 350
Phase: 350
Freq DIR: S/I
NEX: 1.00
Phase FOV: 1.00
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Preset
Excitation Mode: Selective

SCAN TIMING

Flip Angle: 14
TE: Min Full
Number of Echoes: 1
Receiver Bandwidth: 31.25
TR: Minimum

TRACKER

Tracker Length: 200.0
Tracker Thickness: 20.0

CONTRAST

Contrast Yes/No: Yes

OTHERS

Anatomical Region: Hip joint

GATING/TRIGGER

Auto Trigger Type: Off

USER CVS

User CV4: None

User CV6: 2.00

User CV23: 78.00

User CV34: 78.00

Non-Viewable Parameters

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MultiPlanar Reconstruction (MPR)

Details tab

Protocol notes

MultiPlanar Reconstruction (MPR)

+C Sag 3D IDEAL-SPGR

Axial

Field of View:	20.0
Spacing:	1.0
Thickness:	1.0
Save Direction:	I -> S
Render Mode:	Average
Series Description:	Ax Reformat

Sagittal

Field of View:	20.0
Spacing:	1.0
Thickness:	1.0
Save Direction:	L -> R
Render Mode:	Average
Series Description:	Sag Reformat

Coronal

Field of View:	20.0
Spacing:	1.0
Thickness:	1.0
Save Direction:	P -> A

Render Mode:

Average

Series Description:

Cor Reformat

Use Scan Fov:

Off

Non-Viewable Parameters

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