

Knee Routine w/DL SIGNA Architect

Technical Instructions

RT 3-Plane Loc

LT 3-Plane Loc

Sag PD DL

Sag T2 Fat DL

Ax T2 Fat DL

Cor PD Fat DL

Sag PD Cube Fat DL

MultiPlanar Reconstruction (MPR)

--Pain/Menisci/Ligaments

Cor PD DL

--AVN/OCD/FX

Cor T1 DL

--For Metal--

SAG STIR DL

--Synovitis--

Pre Ax T1 FAT

+C Ax T1 FAT

+C Sag T1 FAT

--For Motion--

Sag PD PROPELLER

Sag T2 FS PROPELLER

Ax T2 FS PROPELLER

Cor PD FS PROPELLER

Cor PD PROPELLER

RT 3-Plane Loc

Details tab

Protocol notes

RT 3-Plane Loc

PATIENT POSITION

Coil Configuration:

QED18chKnee

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:

26.0

Slice Thickness:

5.00

Slice Spacing:

5.0

Overlap Locations:

0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 1.0 X 5.0
Freq:	320
Phase:	256
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Single
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:	Knee
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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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LT 3-Plane Loc

Details tab

Protocol notes

LT 3-Plane Loc

PATIENT POSITION

Coil Configuration:

QED18chKnee

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:

26.0

Slice Thickness:

5.00

Slice Spacing:

5.0

Overlap Locations:

0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 1.0 X 5.0
Freq:	320
Phase:	256
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Single
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:	Knee
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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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Sag PD DL

Details tab

Protocol notes

Sag PD DL

PATIENT POSITION

Coil Configuration:QED18chKnee

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:EDR, TRF, Fast, FR, ARC

Pulse Sequence:FSE-XL

ARC Phase:2.00

Image Recon

Recon DL Strength:High

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:14.0

Slice Thickness:3.00

Slice Spacing:0.3

Overlap Locations:0

No Phase Wrap:1.25

ACQ TIMING

Acq Voxel Size:	0.4 X 0.4 X 3.0
Freq:	384
Phase:	312
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	142.0
TE:	22.0
Number of Echoes:	1
TR:	4165.0
Echo Train Length:	6
Receiver Bandwidth:	83.33

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Knee

USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV18:	None
User CV21:	1.00
User CV26:	1.00
User CV41:	None
TR Min:	2500.0
TR Max:	5000.0

Non-Viewable Parameters

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Sag T2 Fat DL

Details tab

Protocol notes

Sag T2 Fat DL

PATIENT POSITION

Coil Configuration:QED18chKnee

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:EDR, TRF, Fast, FR, ARC

Pulse Sequence:FSE-XL

ARC Phase:2.00

Image Recon

Recon DL Strength:High

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:14.0

Slice Thickness:3.00

Slice Spacing:0.3

Overlap Locations:0

No Phase Wrap:1.25

ACQ TIMING

Acq Voxel Size:	0.4 X 0.5 X 3.0
Freq:	320
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	142.0
TE:	50.0
Number of Echoes:	1
TR:	5216.0
Echo Train Length:	13
Receiver Bandwidth:	90.91

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Knee

SAT

Fat/Water Saturation:	Fat Classic
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USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV18:	None
User CV19:	0.80
User CV21:	1.00
User CV26:	1.00
User CV41:	None
TR Min:	3000.0
TR Max:	7000.0

Non-Viewable Parameters

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Ax T2 Fat DL

Details tab

Protocol notes

Ax T2 Fat DL

PATIENT POSITION

Coil Configuration:

QED18chKnee

Plane:

OBLIQUE

IMAGING PARAMETERS

Imaging Mode:

2D

Imaging Options:

FC, EDR, TRF, Fast, FR, ARC

Pulse Sequence:

FSE-XL

ARC Phase:

2.00

Image Recon

Recon DL Strength:

High

Intensity Correction:

SCENIC

Intensity Filter:

None

Save Original:

On

SCAN RANGE

FOV:

14.0

Slice Thickness:

3.00

Slice Spacing:

0.3

Overlap Locations:

0

No Phase Wrap:

2.00

ACQ TIMING

Acq Voxel Size:	0.4 X 0.5 X 3.0
Freq:	320
Phase:	256
Freq DIR:	Swap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
Flow Comp Direction:	Slice
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	142.0
TE:	65.0
Number of Echoes:	1
TR:	3271.0
Echo Train Length:	15
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Knee

SAT

Fat/Water Saturation:	Fat Classic
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USER CVS

User CV6:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	1.00
User CV26:	1.00
User CV41:	None
TR Min:	2500.0
TR Max:	5000.0

Cor PD Fat DL

Details tab

Protocol notes

Cor PD Fat DL

PATIENT POSITION

Coil Configuration:	QED18chKnee
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

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

SCAN RANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.0
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.4 X 0.5 X 3.0
Freq:	320
Phase:	288
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	142.0
TE:	33.0
Number of Echoes:	1
TR:	3624.0
Echo Train Length:	8
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Knee

SAT

Fat/Water Saturation:	Fat Classic
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USER CVS

User CV6:	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
TR Min:	2500.0
TR Max:	5000.0

Non-Viewable Parameters

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Sag PD Cube Fat DL

Details tab

Protocol notes

Sag PD Cube Fat DL

PATIENT POSITION

Coil Configuration:QED18chKnee

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:3D

Imaging Options:EDR, Fast, ZIP512, FR, ARC

Pulse Sequence:Cube

ARC Phase:2.00

ARC Slice:2.00

Image Recon

Recon DL Strength:Medium

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:On

SCAN RANGE

FOV:16.0

Slice Thickness:0.70

Slices per Slab:202

Overlap Locations:0

No Slab Wrap:1.02

No Phase Wrap:	1.00
Slice Resolution(%):	100.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 0.7
Freq:	256
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Single
Excitation Mode:	Non-Selective
Fat Shift DIR:	Normal

SCAN TIMING

TE:	Maximum
Number of Echoes:	1
TR:	1000.0
Echo Train Length:	40
Receiver Bandwidth:	50.00

TRACKER

Tracker Length:	200.0
Tracker Thickness:	20.0

Anatomical Reference: **None**

Anatomical Plane: None

CONTRAST

Contrast Yes/No: No

OTHERS

3D Geometry Correction: Off

Anatomical Region: Knee

SAT

Fat/Water Saturation: Fat

USER CVS

User CV5: 0.90

User CV22: None

User CV32: None

User CV34: 100.00

User CV41: None

Non-Viewable Parameters

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MultiPlanar Reconstruction (MPR)

Details tab

Protocol notes

MultiPlanar Reconstruction (MPR)

Sag PD Cube Fat DL

Axial

Field of View:	16.0
Spacing:	0.7
Thickness:	0.7
Save Direction:	S -> I
Render Mode:	Average
Series Description:	Ax Reformat

Sagittal

Field of View:	16.0
Spacing:	0.7
Thickness:	0.7
Save Direction:	L -> R
Render Mode:	Average
Series Description:	Sag Reformat

Coronal

Field of View:	16.0
Spacing:	0.7
Thickness:	0.7
Save Direction:	P -> A

Render Mode:

Series Description:

Average

Cor Reformat

Use Scan Fov:

Off

Non-Viewable Parameters

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--Pain/Menisci/Ligaments

Details tab

Protocol notes

--Pain/Menisci/Ligaments

PATIENT POSITION

Coil Configuration:	QED18chKnee
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:	28.0
Slice Thickness:	5.0
Slice Spacing:	0.0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.7 X 1.1 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:	80.0
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Knee
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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	ñ
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Cor PD DL

Details tab

Protocol notes

Cor PD DL

PATIENT POSITION

Coil Configuration:	QED18chKnee
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

Recon DL Strength:	High
Intensity Correction:	SCENIC
Intensity Filter:	None
Save Original:	On

SCAN RANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.0
Overlap Locations:	0
No Phase Wrap:	1.20

ACQ TIMING

Acq Voxel Size:	0.4 X 0.5 X 3.0
Freq:	320
Phase:	288
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	142.0
TE:	18.0
Number of Echoes:	1
TR:	3794.0
Echo Train Length:	8
Receiver Bandwidth:	90.91

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Knee

USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV18:	None
User CV21:	1.00
User CV26:	1.00
User CV41:	None
TR Min:	1800.0
TR Max:	4000.0

Non-Viewable Parameters

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--AVN/OCD/FX

Details tab

Protocol notes

--AVN/OCD/FX

PATIENT POSITION

Coil Configuration:	QED18chKnee
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:	28.0
Slice Thickness:	5.0
Slice Spacing:	0.0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.7 X 1.1 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:	80.0
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Knee
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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	ñ
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Cor T1 DL

Details tab

Protocol notes

Cor T1 DL

PATIENT POSITION

Coil Configuration:	QED18chKnee
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

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

SCAN RANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.0
Overlap Locations:	0
No Phase Wrap:	1.20

ACQ TIMING

Acq Voxel Size:	0.5 X 0.6 X 3.0
Freq:	288
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111.0
TE:	24.0
Number of Echoes:	1
TR:	754.0
Echo Train Length:	3
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region: Knee

USER CVS

User CV6: None
User CV9: None
User CV15: None
User CV18: None
User CV21: 1.00
User CV26: 1.00
User CV40: None
TR Min: 500.0
TR Max: 900.0

Non-Viewable Parameters

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--Large Flex CUBE--

Details tab

Protocol notes

--Large Flex CUBE--

PATIENT POSITION

Coil Configuration:

QED18chKnee

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:

28.0

Slice Thickness:

5.0

Slice Spacing:

0.0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:

0.7 X 1.1 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:	80.0
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Knee
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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	ñ
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Sag PD Cube cIFat

Details tab

Protocol notes

Sag PD Cube cIFat

PATIENT POSITION

Coil Configuration:	QED18chKnee
Plane:	SAGITTAL

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, FR, ARC, HS
Pulse Sequence:	Cube
ARC Phase:	1.75
ARC Slice:	1.75
HyperSense:	1.20

Image Recon

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

SCAN RANGE

FOV:	16.0
Slice Thickness:	0.60
Slices per Slab:	268
Overlap Locations:	0

<i>Number of Slices:</i>	<i>1</i>
No Slab Wrap:	1.03
No Phase Wrap:	1.00
Slice Resolution(%):	50.00

ACQ TIMING

Acq Voxel Size:	0.5 X 0.5 X 1.2
Freq:	320
Phase:	320
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Single
Excitation Mode:	Non-Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

TE:	18.0
Number of Echoes:	1
TR:	1200.0
Echo Train Length:	40
Receiver Bandwidth:	62.50

TRACKER

Tracker Length:	200.0
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Tracker Thickness: 20.0

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Knee

SAT

Fat/Water Saturation: Fat Classic

USER CVS

User CV5:	0.92
User CV12:	70.00
User CV22:	1.00
User CV32:	None
User CV34:	100.00
User CV41:	None

Non-Viewable Parameters

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--For Metal--

Details tab

Protocol notes

--For Metal--

PATIENT POSITION

Coil Configuration:

QED18chKnee

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

Save Original:

Off

SCAN RANGE

FOV:

28.0

Slice Thickness:

5.0

Slice Spacing:

0.0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:

0.7 X 1.1 X 5.0

<i>Freq:</i>	384
Phase:	256
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Optimized
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:	Knee
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GATING/TRIGGER

Auto Trigger Type:	Off
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USER CVS

User CV1:	1.00
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User CV2:	240.00
User CV13:	1.00
User CV16:	None
User CV39:	1.00

Non-Viewable Parameters

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SAG STIR DL

Details tab

Protocol notes

SAG STIR DL

PATIENT POSITION

Coil Configuration:QED18chKnee

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:High

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:14.0

Slice Thickness:3.00

Slice Spacing:0.5

Overlap Locations:0

Number of Slices:19

No Phase Wrap: **2.00**

ACQ TIMING

Acq Voxel Size:	0.4 X 0.6 X 3.0
Freq:	320
Phase:	224
Freq DIR:	A/P
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:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal (P)

SCAN TIMING

Flip Angle:	142
TE:	44.0
Number of Echoes:	1
TR:	3400.0
TI:	180
Echo Train Length:	8
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
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Anatomical Plane: **None**

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Knee

SAT

SAT Location S: Default

SAT Location I: Default

USER CVS

User CV15: None

User CV18: None

User CV21: 1.00

User CV30: 1.00

User CV41: None

Non-Viewable Parameters

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--Synovitis--

Details tab

Protocol notes

--Synovitis--

PATIENT POSITION

Coil Configuration:

QED18chKnee

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:

28.0

Slice Thickness:

5.0

Slice Spacing:

0.0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:

0.7 X 1.1 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:	80.0
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Knee
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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	ñ
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Pre Ax T1 FAT

Details tab

Protocol notes

Pre Ax T1 FAT

PATIENT POSITION

Coil Configuration:QED18chKnee

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:EDR, TRF, Fast, ARC

Pulse Sequence:FSE-XL

ARC Phase:2.00

Image Recon

Recon DL Strength:Medium

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:18.0

Slice Thickness:3.00

Slice Spacing:1.0

Overlap Locations:0

Number of Slices:30

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.7 X 3.0
Freq:	320
Phase:	256
Freq DIR:	R/L
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	142.0
TE:	20.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Knee
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SAT

SAT Location S:	Default
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SAT Location I:	Default
-----------------	---------

Fat/Water Saturation:	Fat
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USER CVS

User CV6:	None
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User CV9:	None
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User CV15:	None
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User CV16:	None
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User CV18:	None
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User CV19:	1.00
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User CV21:	None
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User CV26:	1.00
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User CV41:	None
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Non-Viewable Parameters

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+C Ax T1 FAT

Details tab

Protocol notes

+C Ax T1 FAT

PATIENT POSITION

Coil Configuration:QED18chKnee

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:EDR, TRF, Fast, ARC

Pulse Sequence:FSE-XL

ARC Phase:2.00

Image Recon

Recon DL Strength:Medium

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:18.0

Slice Thickness:3.00

Slice Spacing:1.0

Overlap Locations:0

Number of Slices:30

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.7 X 3.0
Freq:	320
Phase:	256
Freq DIR:	R/L
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	142.0
TE:	20.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Knee
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SAT

SAT Location S:	Default
-----------------	---------

SAT Location I:	Default
-----------------	---------

Fat/Water Saturation:	Fat
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USER CVS

User CV6:	None
-----------	------

User CV9:	None
-----------	------

User CV15:	None
------------	------

User CV16:	None
------------	------

User CV18:	None
------------	------

User CV19:	1.00
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User CV21:	None
------------	------

User CV26:	1.00
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User CV41:	None
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Non-Viewable Parameters

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+C Sag T1 FAT

Details tab

Protocol notes

+C Sag T1 FAT

PATIENT POSITION

Coil Configuration:QED18chKnee

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:FC, EDR, TRF, Fast

Pulse Sequence:FSE-XL

Image Recon

Recon DL Strength:Medium

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:14.0

Slice Thickness:3.00

Slice Spacing:0.5

Overlap Locations:0

Number of Slices:26

No Phase Wrap:1.00

ACQ TIMING

Acq Voxel Size:	0.4 X 0.6 X 3.0
Freq:	320
Phase:	224
Freq DIR:	S/I
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
Flow Comp Direction:	Freq
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	142.0
TE:	24.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Knee
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SAT

Fat/Water Saturation:	Fat
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USER CVS

User CV6:	None
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User CV15:	None
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User CV16:	None
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User CV18:	None
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User CV19:	1.00
------------	------

User CV21:	None
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User CV26:	1.00
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User CV41:	None
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Non-Viewable Parameters**ñ**

--For Motion--

Details tab

Protocol notes

--For Motion--

PATIENT POSITION

Coil Configuration:

QED18chKnee

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:

28.0

Slice Thickness:

5.0

Slice Spacing:

0.0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:

0.7 X 1.1 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:	80.0
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Knee
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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	ñ
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Sag PD PROPELLER

Details tab

Protocol notes

Sag PD PROPELLER

PATIENT POSITION

Coil Configuration:QED18chKnee

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:EDR, TRF, Fast, FR, ARC

Pulse Sequence:PROPELLER

ARC Phase:3.00

Image Recon

Recon DL Strength:Medium

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:14.0

Slice Thickness:3.00

Slice Spacing:0.5

Overlap Locations:0

Number of Slices:14

No Phase Wrap:

1.50

ACQ TIMING

Acq Voxel Size:	0.5 X 0.5 X 3.0
Freq:	288
Freq DIR:	R/L
NEX:	1.50
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	142.0
TE:	20.0
Number of Echoes:	1
TR:	2300.0
Echo Train Length:	5
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
------------------	----

OTHERS

Anatomical Region: Knee

USER CVS

User CV6: None
User CV15: None
User CV26: 1.00
User CV41: None

Non-Viewable Parameters ñ

Sag T2 FS PROPELLER

Details tab

Protocol notes

Sag T2 FS PROPELLER

PATIENT POSITION

Coil Configuration:	QED18chKnee
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ARC
Pulse Sequence:	PROPELLER
ARC Phase:	3.00

Image Recon

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

SCAN RANGE

FOV:	14.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.5 X 0.5 X 4.0
Freq:	288
Freq DIR:	Unswap
NEX:	1.50
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	140.0
TE:	50.0
Number of Echoes:	1
TR:	3083.0
Echo Train Length:	21
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:

Knee

SAT

Fat/Water Saturation:

Fat Classic

USER CVS

User CV6:

None

User CV15:

None

User CV16:

None

User CV19:

1.00

User CV26:

1.00

User CV41:

None

TR Min:

400.0

TR Max:

10000.0

Non-Viewable Parameters

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Ax T2 FS PROPELLER

Details tab

Protocol notes

Ax T2 FS PROPELLER

PATIENT POSITION

Coil Configuration:	QED18chKnee
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ARC
Pulse Sequence:	PROPELLER
ARC Phase:	3.00

Image Recon

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

SCAN RANGE

FOV:	14.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.5 X 0.5 X 4.0
Freq:	288
Freq DIR:	Unswap
NEX:	1.50
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	140.0
TE:	60.0
Number of Echoes:	1
TR:	3083.0
Echo Train Length:	21
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:

Knee

SAT

Fat/Water Saturation:

Fat Classic

USER CVS

User CV6:

None

User CV15:

None

User CV16:

None

User CV19:

1.00

User CV26:

1.00

User CV41:

None

TR Min:

400.0

TR Max:

10000.0

Non-Viewable Parameters

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Cor PD FS PROPELLER

Details tab

Protocol notes

Cor PD FS PROPELLER

PATIENT POSITION

Coil Configuration:QED18chKnee

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:EDR, TRF, Fast, FR, ARC

Pulse Sequence:PROPELLER

ARC Phase:3.00

Image Recon

Recon DL Strength:Medium

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:14.0

Slice Thickness:3.00

Slice Spacing:0.5

Overlap Locations:0

Number of Slices:14

No Phase Wrap:

1.50

ACQ TIMING

Acq Voxel Size:	0.5 X 0.5 X 3.0
Freq:	288
Freq DIR:	R/L
NEX:	1.50
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	142.0
TE:	33.0
Number of Echoes:	1
TR:	1800.0
Echo Train Length:	6
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region: Knee

SAT

Fat/Water Saturation: Fat Classic

USER CVS

User CV6: None
User CV15: None
User CV19: 1.00
User CV26: 1.00
User CV41: None
TR Min: 1800.0
TR Max: 11000.0

Non-Viewable Parameters ñ

Cor PD PROPELLER

Details tab

Protocol notes

Cor PD PROPELLER

PATIENT POSITION

Coil Configuration:QED18chKnee

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:2D

Imaging Options:EDR, TRF, Fast, FR, ARC

Pulse Sequence:PROPELLER

ARC Phase:3.00

Image Recon

Recon DL Strength:Medium

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:14.0

Slice Thickness:3.00

Slice Spacing:0.5

Overlap Locations:0

Number of Slices:14

No Phase Wrap:

1.50

ACQ TIMING

Acq Voxel Size:	0.5 X 0.5 X 3.0
Freq:	288
Freq DIR:	R/L
NEX:	1.50
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Single
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	142.0
TE:	18.0
Number of Echoes:	1
TR:	2300.0
Echo Train Length:	6
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region: Knee

USER CVS

User CV6: None
User CV15: None
User CV26: 1.00
User CV41: None

Non-Viewable Parameters ñ