

KNEE Routine w/DL NEW SIGNA Artist

Technical Instructions

Rt 3pl Loc

Lt 3pl Loc

Sag PD DL

Sag T2 CI Fat DL

Ax T2 CI Fat DL

Cor PD CI 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 DL

+C Ax T1 Fat DL

+C Sag T1 Fat DL

---for motion---

Sag PD PROPELLER

Sag T2 FS PROPELLER

Ax T2 FS PROPELLER

Cor PD FS PROPELLER

Cor PD PROPELLER

Cor T1 PROPELLER

Rt 3pl Loc

Detailstab

Protocolnotes

Rt 3pl Loc

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	3-PLANE

IMAGINGPARAMETERS

Imaging Mode:	2D
Imaging Options:	Seq, EDR, TRF, Fast, SS, ARC
Pulse Sequence:	Spin Echo
ARC Phase:	2.00

ImageRecon

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

SCANRANGE

FOV:	28.0
Slice Thickness:	5.00
Slice Spacing:	8.0
Overlap Locations:	0
No Phase Wrap:	2.00

ACQTIMING

Acq Voxel Size:	1.1 X 1.3 X 5.0
Freq:	256
Phase:	224
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective

SCANTIMING

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

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Knee
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USERCVS

User CV1:	1.00
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Lt 3pl Loc

Detailstab

Protocolnotes

Lt 3pl Loc

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	3-PLANE

IMAGINGPARAMETERS

Imaging Mode:	2D
Imaging Options:	Seq, EDR, TRF, Fast, SS, ARC
Pulse Sequence:	Spin Echo
ARC Phase:	2.00

ImageRecon

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

SCANRANGE

FOV:	28.0
Slice Thickness:	5.0
Slice Spacing:	8.0
No Phase Wrap:	2.00

ACQTIMING

Acq Voxel Size:	1.1 X 1.3 X 5.0
Freq:	256
Phase:	224
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective

SCANTIMING

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

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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USERCVS

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

Non-Viewable Parameters

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Sag PD DL

Detailstab

Protocolnotes

Sag PD DL

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.3
Overlap Locations:	0
Number of Slices:	27

No Phase Wrap: 2.00

ACQTIMING

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

SCANTIMING

Flip Angle: 160.0
TE: 20.0
Number of Echoes: 1
TR: 1800.0
Echo Train Length: 3
Receiver Bandwidth: 62.50

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: **No**

OTHERS

Anatomical Region: Knee

USERCVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	1.00
User CV26:	1.00
TR Min:	1800.0
TR Max:	10000.0

Non-Viewable Parameters

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Sag T2 CI Fat DL

Detailstab

Protocolnotes

Sag T2 CI Fat DL

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.3
Overlap Locations:	0
Number of Slices:	30

No Phase Wrap: 2.00

ACQTIMING

Acq Voxel Size: 0.4 X 0.5 X 3.0
Freq: 320
Phase: 256
Freq DIR: Swap
NEX: 1.00
of Acq. Before Pause: 0
Phase FOV: 1.00
Auto Shim: Auto
Phase Correct: On
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal

SCANTIMING

Flip Angle: 160.0
TE: 80.0
Number of Echoes: 1
TR: 3000.0
Echo Train Length: 10
Receiver Bandwidth: 62.50

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: **No**

OTHERS

Anatomical Region: Knee

SAT

Fat/Water Saturation: Fat Classic

USERCVS

User CV6: None

User CV9: None

User CV15: None

User CV18: None

User CV19: 0.80

User CV21: 1.00

User CV26: 1.00

Non-Viewable Parameters

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Ax T2 CI Fat DL

Detailstab

Protocolnotes

Ax T2 CI Fat DL

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	18.0
Slice Thickness:	3.00
Slice Spacing:	0.3
Overlap Locations:	0
No Phase Wrap:	1.00

ACQTIMING

Acq Voxel Size:	0.6 X 0.7 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:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCANTIMING

Flip Angle:	160.0
TE:	88.0
Number of Echoes:	1
TR:	5800.0
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

Anatomical Region: Knee

SAT

Fat/Water Saturation: Fat Classic

USERCVS

User CV6: None
User CV15: None
User CV18: None
User CV19: 1.00
User CV21: 1.00
User CV26: 1.00
TR Min: 2500.0
TR Max: 11000.0

Non-Viewable Parameters

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Cor PD CI Fat DL

Detailstab

Protocolnotes

Cor PD CI Fat DL

PATIENTPOSITION

Coil Configuration: QED16chKnee

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

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

Pulse Sequence: FSE-XL

ARC Phase: 2.00

ImageRecon

Recon DL Strength: High

Intensity Correction: SCENIC

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 14.0

Slice Thickness: 3.00

Slice Spacing: 0.0

Overlap Locations: 0

Number of Slices: 32

No Phase Wrap: 1.00

ACQTIMING

Acq Voxel Size: 0.4 X 0.5 X 3.0
Freq: 320
Phase: 288
Freq DIR: S/I
NEX: 2.00
of Acq. Before Pause: 0
Phase FOV: 1.00
Auto Shim: Auto
Phase Correct: On
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCANTIMING

Flip Angle: 160.0
TE: 42.0
Number of Echoes: 1
TR: 2400.0
Echo Train Length: 6
Receiver Bandwidth: 62.50

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: **No**

OTHERS

Anatomical Region: Knee

SAT

Fat/Water Saturation: Fat Classic

USERCVS

User CV6: None

User CV7: None

User CV9: None

User CV15: None

User CV18: None

User CV19: 1.00

User CV21: None

User CV26: 1.00

Non-Viewable Parameters

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Sag PD Cube Fat DL

Detailstab

Protocolnotes

Sag PD Cube Fat DL

PATIENTPOSITION

Coil Configuration:	Neo16chFlexM
Plane:	OBLIQUE

IMAGINGPARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, ZIP512, FR, ARC
Pulse Sequence:	Cube
ARC Phase:	2.00
ARC Slice:	2.00

ImageRecon

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

SCANRANGE

FOV:	16.0
Slice Thickness:	0.80
Slices per Slab:	160
Overlap Locations:	0
Number of Slices:	1

No Slab Wrap:	1.03
No Phase Wrap:	1.00
Slice Resolution(%):	100.00

ACQTIMING

Acq Voxel Size:	0.8 X 0.8 X 0.8
Freq:	192
Phase:	192
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Non-Selective
Fat Shift DIR:	Normal (S)

SCANTIMING

TE:	Minimum
Number of Echoes:	1
TR:	1050.0
Echo Train Length:	30
Receiver Bandwidth:	35.71

TRACKER

Tracker Length:	200.0
Tracker Thickness:	20.0

AIRx

Anatomical Reference:	Routine Knee
Anatomical Plane:	Sagittal

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Knee

SAT

Fat/Water Saturation:	Fat
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USERCVS

User CV5:	0.90
User CV22:	None
User CV32:	1.00
User CV34:	100.00

Non-Viewable Parameters

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MultiPlanar Reconstruction (MPR)

Detailstab

Protocolnotes

MultiPlanar Reconstruction(MPR)

Sag PD Cube Fat DL

Axial

Field of View:	16.0
Spacing:	0.83
Thickness:	0.83
Save Direction:	S -> I
Render Mode:	Average
Series Description:	Ax Reformat

Sagittal

Field of View:	16.0
Spacing:	0.83
Thickness:	0.83
Save Direction:	L -> R
Render Mode:	Average
Series Description:	Sag Reformat

Coronal

Field of View:	16.0
Spacing:	0.83
Thickness:	0.83
Save Direction:	P -> A

Render Mode:

Average

Series Description:

Cor Reformat

Use Scan Fov:

Off

Non-Viewable Parameters

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---Pain/Menisci/Ligaments---

Detailstab

Protocolnotes

---Pain/Menisci/Ligaments---

PATIENTPOSITION

Coil Configuration: QED16chKnee

Plane: 3-PLANE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: Seq, Fast

Pulse Sequence: Gradient Echo

ImageRecon

Intensity Correction: NONE

Intensity Filter: None

SCANRANGE

FOV: 20.0

Slice Thickness: 5.0

Slice Spacing: 5.0

No Phase Wrap: 1.00

ACQTIMING

Acq Voxel Size: 0.8 X 1.6 X 5.0

Freq: 256

Phase:	128
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off

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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USERCVS

TR Min:	-
TR Max:	-

Non-Viewable Parameters

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Cor PD DL

Detailstab

Protocolnotes

Cor PD DL

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.0
Overlap Locations:	0
Number of Slices:	32

No Phase Wrap: 1.00

ACQTIMING

Acq Voxel Size: 0.4 X 0.5 X 3.0
Freq: 320
Phase: 288
Freq DIR: S/I
NEX: 1.00
Phase FOV: 1.00
Auto Shim: Auto
Phase Correct: On
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCANTIMING

Flip Angle: 160
TE: 20.0
Number of Echoes: 1
TR: 1800.0
Echo Train Length: 4
Receiver Bandwidth: 31.25

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: **No**

OTHERS

Anatomical Region: Knee

USERCVS

User CV6:	None
User CV8:	1.00
User CV9:	None
User CV12:	1.00
User CV15:	None
User CV18:	None
User CV21:	None
User CV30:	1.00
User CV39:	1.00

Non-Viewable Parameters

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---AVN/OCD/FX---

Detailstab

Protocolnotes

---AVN/OCD/FX---

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	3-PLANE

IMAGINGPARAMETERS

Imaging Mode:	2D
Imaging Options:	Seq, Fast
Pulse Sequence:	Gradient Echo

ImageRecon

Intensity Correction:	NONE
Intensity Filter:	None

SCANRANGE

FOV:	20.0
Slice Thickness:	5.0
Slice Spacing:	5.0
No Phase Wrap:	1.00

ACQTIMING

Acq Voxel Size:	0.8 X 1.6 X 5.0
Freq:	256

Phase:	128
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off

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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USERCVS

TR Min:	-
TR Max:	-

Non-Viewable Parameters

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Cor T1 DL

Detailstab

Protocolnotes

Cor T1 DL

PATIENTPOSITION

Coil Configuration: QED16chKnee

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: EDR, TRF, Fast, ARC

Pulse Sequence: FSE-XL

ARC Phase: 2.00

ImageRecon

Recon DL Strength: Medium

Intensity Correction: SCENIC

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 14.0

Slice Thickness: 3.00

Slice Spacing: 0.0

Overlap Locations: 0

Number of Slices: 32

No Phase Wrap: 1.00

ACQTIMING

Acq Voxel Size: 0.4 X 0.5 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: On
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCANTIMING

Flip Angle: 160.0
TE: 20.0
Number of Echoes: 1
TR: 700.0
Echo Train Length: 3
Receiver Bandwidth: 62.50

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: **No**

OTHERS

Anatomical Region: Knee

USERCVS

User CV6: None

User CV9: None

User CV15: None

User CV16: None

User CV18: None

User CV21: None

User CV26: 1.00

Non-Viewable Parameters

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---For METAL---

Detailstab

Protocolnotes

---For METAL---

PATIENTPOSITION

Coil Configuration: QED16chKnee

Plane: 3-PLANE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: Seq, Fast

Pulse Sequence: Gradient Echo

ImageRecon

Intensity Correction: NONE

Intensity Filter: None

SCANRANGE

FOV: 20.0

Slice Thickness: 5.0

Slice Spacing: 5.0

No Phase Wrap: 1.00

ACQTIMING

Acq Voxel Size: 0.8 X 1.6 X 5.0

Freq: 256

Phase:	128
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off

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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USERCVS

TR Min:	-
TR Max:	-

Non-Viewable Parameters

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SAG STIR DL

Detailstab

Protocolnotes

SAG STIR DL

PATIENTPOSITION

Coil Configuration: QED16chKnee
Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D
Imaging Options: FC, Seq, EDR, TRF, Fast, ARC, IrP
Pulse Sequence: FSE-XL
PSD Name: fse-xl
ARC Phase: 2.00

ImageRecon

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

SCANRANGE

FOV: 14.0
Slice Thickness: 3.00
Slice Spacing: 0.5
Overlap Locations: 0
Number of Slices: 33

No Phase Wrap: 1.80

ACQTIMING

Acq Voxel Size: 0.4 X 0.5 X 3.0
Freq: 320
Phase: 256
Freq DIR: S/I
NEX: 1.00
Phase FOV: 1.00
Auto Shim: Auto
Phase Correct: On
Flow Comp Direction: Freq
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (S)

SCANTIMING

Flip Angle: 160
TE: 42.0
Number of Echoes: 1
TR: 4799.0
TI: 150
Echo Train Length: 16
Receiver Bandwidth: 62.50

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Knee

SAT

SAT Location S: Default

SAT Location I: Default

USERCVS

User CV8: None

User CV12: 1.00

User CV15: None

User CV18: None

User CV21: None

User CV30: 1.00

User CV39: 1.00

TR Min: 2000.0

TR Max: 6000.0

Non-Viewable Parameters

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---synovitis---

Detailstab

Protocolnotes

---synovitis---

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	3-PLANE

IMAGINGPARAMETERS

Imaging Mode:	2D
Imaging Options:	Seq, Fast
Pulse Sequence:	Gradient Echo

ImageRecon

Intensity Correction:	NONE
Intensity Filter:	None

SCANRANGE

FOV:	20.0
Slice Thickness:	5.0
Slice Spacing:	5.0
No Phase Wrap:	1.00

ACQTIMING

Acq Voxel Size:	0.8 X 1.6 X 5.0
Freq:	256

Phase:	128
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off

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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USERCVS

TR Min:	-
TR Max:	-

Non-Viewable Parameters

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Pre Ax T1 Fat DL

Detailstab

Protocolnotes

Pre Ax T1 Fat DL

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	OBLIQUE

IMAGINGPARAMETERS

Imaging Mode:	2D
Imaging Options:	TRF, Fast, ZIP512
Pulse Sequence:	FSE-XL

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQTIMING

Acq Voxel Size:	0.5 X 0.6 X 4.0
Freq:	256
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCANTIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

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

USERCVS

User CV6: None

User CV9: None

User CV13: None

User CV15: None

User CV16: None

User CV18: None

User CV19: 1.00

User CV21: None

Non-Viewable Parameters

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+C Ax T1 Fat DL

Detailstab

Protocolnotes

+C Ax T1 Fat DL

PATIENTPOSITION

Coil Configuration: QED16chKnee

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: TRF, Fast, ZIP512

Pulse Sequence: FSE-XL

ImageRecon

Recon DL Strength: Medium

Intensity Correction: SCENIC

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 14.0

Slice Thickness: 4.00

Slice Spacing: 1.0

Overlap Locations: 0

No Phase Wrap: 1.00

ACQTIMING

Acq Voxel Size:	0.5 X 0.6 X 4.0
Freq:	256
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCANTIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region: Knee

SAT

Fat/Water Saturation: Fat

USERCVS

User CV6: None

User CV9: None

User CV13: None

User CV15: None

User CV16: None

User CV18: None

User CV19: 1.00

User CV21: None

Non-Viewable Parameters

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+C Sag T1 Fat DL

Detailstab

Protocolnotes

+C Sag T1 Fat DL

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	OBLIQUE

IMAGINGPARAMETERS

Imaging Mode:	2D
Imaging Options:	TRF, Fast, ZIP512
Pulse Sequence:	FSE-XL

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.5
Overlap Locations:	0
No Phase Wrap:	1.00

ACQTIMING

Acq Voxel Size:	0.5 X 0.6 X 3.0
Freq:	256
Phase:	224
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCANTIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	700.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region: Knee

SAT

Fat/Water Saturation: Fat

USERCVS

User CV6:	None
User CV7:	None
User CV9:	None
User CV13:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None

Non-Viewable Parameters

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---for motion---

Detailstab

Protocolnotes

---for motion---

PATIENTPOSITION

Coil Configuration: QED16chKnee

Plane: 3-PLANE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: Seq, Fast

Pulse Sequence: Gradient Echo

ImageRecon

Intensity Correction: NONE

Intensity Filter: None

SCANRANGE

FOV: 20.0

Slice Thickness: 5.0

Slice Spacing: 5.0

No Phase Wrap: 1.00

ACQTIMING

Acq Voxel Size: 0.8 X 1.6 X 5.0

Freq: 256

Phase:	128
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off

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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USERCVS

TR Min:	-
TR Max:	-

Non-Viewable Parameters

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Sag PD PROPELLER

Detailstab

Protocolnotes

Sag PD PROPELLER

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.3
Overlap Locations:	0
Number of Slices:	25

No Phase Wrap: 1.50

ACQTIMING

Freq: 288
Freq DIR: S/I
NEX: 1.50
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCANTIMING

Flip Angle: 110.0
TE: 20.0
Number of Echoes: 1
TR: 2882.0
Echo Train Length: 10
Receiver Bandwidth: 62.50

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region:

Knee

USERCVS

User CV6:	None
User CV15:	None
User CV26:	1.00
TR Min:	1800.0
TR Max:	6000.0

Non-Viewable Parameters

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Sag T2 FS PROPELLER

Detailstab

Protocolnotes

Sag T2 FS PROPELLER

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.3
Overlap Locations:	0
Number of Slices:	25

No Phase Wrap: 1.50

ACQTIMING

Freq: 288
Freq DIR: S/I
NEX: 1.50
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCANTIMING

Flip Angle: 90.0
TE: 80.0
Number of Echoes: 1
TR: 6325.0
Echo Train Length: 24
Receiver Bandwidth: 62.50

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region:

Knee

SAT

Fat/Water Saturation:

Fat Classic

USERCVS

User CV6:	None
User CV15:	None
User CV16:	None
User CV19:	0.80
User CV26:	1.00
TR Min:	2500.0
TR Max:	8000.0

Non-Viewable Parameters

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Ax T2 FS PROPELLER

Detailstab

Protocolnotes

Ax T2 FS PROPELLER

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.3
Overlap Locations:	0
Number of Slices:	25

No Phase Wrap: 1.50

ACQTIMING

Freq: 288
Freq DIR: S/I
NEX: 1.50
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCANTIMING

Flip Angle: 90.0
TE: 88.0
Number of Echoes: 1
TR: 6325.0
Echo Train Length: 24
Receiver Bandwidth: 62.50

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region:

Knee

SAT

Fat/Water Saturation:

Fat Classic

USERCVS

User CV6:	None
User CV15:	None
User CV16:	None
User CV19:	0.80
User CV26:	1.00
TR Min:	2500.0
TR Max:	8000.0

Non-Viewable Parameters

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Cor PD FS PROPELLER

Detailstab

Protocolnotes

Cor PD FS PROPELLER

PATIENTPOSITION

Coil Configuration: QED16chKnee

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

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

Pulse Sequence: PROPELLER

ARC Phase: 3.00

ImageRecon

Recon DL Strength: High

Intensity Correction: SCENIC

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 14.0

Slice Thickness: 3.00

Slice Spacing: 0.3

Overlap Locations: 0

Number of Slices: 25

No Phase Wrap: 1.50

ACQTIMING

Freq: 288
Freq DIR: S/I
NEX: 1.50
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCANTIMING

Flip Angle: 110.0
TE: 40.0
Number of Echoes: 1
TR: 2951.0
Echo Train Length: 10
Receiver Bandwidth: 62.50

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region:

Knee

SAT

Fat/Water Saturation:

Fat Classic

USERCVS

User CV6:

None

User CV15:

None

User CV19:

0.80

User CV26:

1.00

TR Min:

1800.0

TR Max:

6000.0

Non-Viewable Parameters

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Cor PD PROPELLER

Detailstab

Protocolnotes

Cor PD PROPELLER

PATIENTPOSITION

Coil Configuration:	QED16chKnee
Plane:	OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.3
Overlap Locations:	0
Number of Slices:	25

No Phase Wrap: 1.50

ACQTIMING

Freq: 288
Freq DIR: S/I
NEX: 1.50
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCANTIMING

Flip Angle: 110.0
TE: 20.0
Number of Echoes: 1
TR: 2882.0
Echo Train Length: 10
Receiver Bandwidth: 62.50

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region:

Knee

USERCVS

User CV6:	None
User CV15:	None
User CV26:	1.00
TR Min:	1800.0
TR Max:	6000.0

Non-Viewable Parameters

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Cor T1 PROPELLER

Detailstab

Protocolnotes

Cor T1 PROPELLER

PATIENTPOSITION

Coil Configuration: QED16chKnee

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: EDR, TRF, Fast, ARC

Pulse Sequence: PROPELLER

ARC Phase: 3.00

ImageRecon

Recon DL Strength: Medium

Intensity Correction: SCENIC

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 14.0

Slice Thickness: 3.00

Slice Spacing: 0.3

Overlap Locations: 0

Number of Slices: 25

No Phase Wrap: 1.50

ACQTIMING

Freq: 288
Freq DIR: S/I
NEX: 1.50
of Acq. Before Pause: 0
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (I)

SCANTIMING

Flip Angle: 90.0
TE: Min Full
Number of Echoes: 1
TR: 849.0
Echo Train Length: 5
Receiver Bandwidth: 62.50

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Knee

USERCVS

User CV6: None
User CV15: None
User CV16: 1.00
User CV26: 1.00
TR Min: 400.0
TR Max: 850.0

Non-Viewable Parameters

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