

KNEE Tumor (Adult) SIGNA Artist

Technical Instructions

--power inj/subtractions

Lt 3pl Loc

Rt 3pl Loc

COR T2 Fat DL

SAG T2 Fat DL

AX T2 Fat DL

AX T1 DL

COR T1 DL

Ax T1 Lava-Flex Pre

Ax T1 Lava-Flex 2min

Cor T1 Lava-Flex

Sag T1 Lava-Flex

+c AX T1 Fat DL

Lt 3pl Loc

Details tab

Protocol notes

Lt 3pl Loc

PATIENT POSITION

Coil Configuration:	RFT8chFootAnkle
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:	28.0
Slice Thickness:	5.00
Slice Spacing:	8.0
Overlap Locations:	0
No Phase Wrap:	2.00

ACQ TIMING

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

SCAN TIMING

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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USER CVS

User CV1:	1.00
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Rt 3pl Loc

Details tab

Protocol notes

Rt 3pl Loc

PATIENT POSITION

Coil Configuration:	RFT8chFootAnkle
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:	28.0
Slice Thickness:	5.0
Slice Spacing:	8.0
No Phase Wrap:	2.00

ACQ TIMING

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

SCAN TIMING

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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USER CVS

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

Non-Viewable Parameters

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COR T2 Fat DL

Details tab

Protocol notes

COR T2 Fat DL

PATIENT POSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	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:	16.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 4.0
Freq:	288
Phase:	256
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

SCAN TIMING

Flip Angle:	160.0
TE:	85.0
Number of Echoes:	1
TR:	4000.0
Echo Train Length:	14
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

USER CVS

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
User CV26:	1.00

Non-Viewable Parameters

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SAG T2 Fat DL

Details tab

Protocol notes

SAG T2 Fat DL

PATIENT POSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	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:	16.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 4.0
Freq:	288
Phase:	256
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

SCAN TIMING

Flip Angle:	160.0
TE:	85.0
Number of Echoes:	1
TR:	4000.0
Echo Train Length:	14
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

USER CVS

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
User CV26:	1.00

Non-Viewable Parameters

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AX T2 Fat DL

Details tab

Protocol notes

AX T2 Fat DL

PATIENT POSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	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:	16.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 4.0
Freq:	288
Phase:	256
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

SCAN TIMING

Flip Angle:	160.0
TE:	85.0
Number of Echoes:	1
TR:	4000.0
Echo Train Length:	14
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

USER CVS

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
User CV26:	1.00

Non-Viewable Parameters

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AX T1 DL

Details tab

Protocol notes

AX T1 DL

PATIENT POSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	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:	16.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 4.0
Freq:	288
Phase:	256
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

SCAN TIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	550.0
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

USER CVS

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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COR T1 DL

Details tab

Protocol notes

COR T1 DL

PATIENT POSITION

Coil Configuration:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	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:	16.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 4.0
Freq:	288
Phase:	256
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

SCAN TIMING

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

USER CVS

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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Ax T1 Lava-Flex Pre

Details tab

Protocol notes

Ax T1 Lava-Flex Pre

PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	AXIAL

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, ARC, Flex
Pulse Sequence:	LAVA
IDEAL:	15
ARC Phase:	2.00
ARC Slice:	1.00

Image Recon

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

SCAN RANGE

FOV:	26.0
Slice Thickness:	1.50
Slices per Slab:	172
Overlap Locations:	0

No Slab Wrap:	1.04
No Phase Wrap:	1.00
Slice Resolution(%):	50.00

ACQ TIMING

Acq Voxel Size:	1.0 X 1.2 X 3.0
Freq:	260
Phase:	220
Freq DIR:	R/L
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	15.0
TE:	Min Full
Number of Echoes:	2
Receiver Bandwidth:	90.91

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

3D Geometry Correction:	On
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Anatomical Region:

Knee

USER CVS

User CV4:	None
User CV6:	1.00
User CV13:	None
User CV16:	None
User CV30:	1.00
User CV34:	70.00

Non-Viewable Parameters

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Ax T1 Lava-Flex 2min

Details tab

Protocol notes

Ax T1 Lava-Flex 2min

PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	AXIAL

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, MPh, ARC, Flex
Pulse Sequence:	LAVA
IDEAL:	3
ARC Phase:	2.00
ARC Slice:	1.00

Image Recon

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

SCAN RANGE

FOV:	26.0
Slice Thickness:	1.50
Slices per Slab:	172
Overlap Locations:	0

No Slab Wrap:	1.04
No Phase Wrap:	1.00
Slice Resolution(%):	50.00

ACQ TIMING

Acq Voxel Size:	1.0 X 1.2 X 3.0
Freq:	260
Phase:	220
Freq DIR:	R/L
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	15.0
TE:	Min Full
Number of Echoes:	2
Receiver Bandwidth:	90.91

MULTI-PHASE

Slice per Location:	1
Seperate Series:	0
Trigger Delay without AV:	0
Mask Phase:	Off

Mask Pause: **Off**

CONTRAST

Contrast Yes/No: Yes

OTHERS

3D Geometry Correction: On

Anatomical Region: Knee

USER CVS

User CV4: None

User CV6: 1.00

User CV13: None

User CV16: None

User CV30: 1.00

User CV34: 70.00

Non-Viewable Parameters

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Cor T1 Lava-Flex

Details tab

Protocol notes

Cor T1 Lava-Flex

PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	CORONAL

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, ARC, Flex
Pulse Sequence:	LAVA
IDEAL:	3
ARC Phase:	2.00
ARC Slice:	1.00

Image Recon

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

SCAN RANGE

FOV:	26.0
Slice Thickness:	1.50
Slices per Slab:	172
Overlap Locations:	0

No Slab Wrap:	1.04
No Phase Wrap:	1.50
Slice Resolution(%):	50.00

ACQ TIMING

Acq Voxel Size:	1.0 X 1.2 X 3.0
Freq:	260
Phase:	220
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	15.0
TE:	Min Full
Number of Echoes:	2
Receiver Bandwidth:	90.91

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

3D Geometry Correction:	On
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Anatomical Region:

Knee

USER CVS

User CV4:	None
User CV6:	1.00
User CV13:	None
User CV16:	None
User CV30:	1.00
User CV34:	70.00

Non-Viewable Parameters

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Sag T1 Lava-Flex

Details tab

Protocol notes

Sag T1 Lava-Flex

PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	SAGITTAL

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, ARC, Flex
Pulse Sequence:	LAVA
IDEAL:	3
ARC Phase:	2.00
ARC Slice:	1.00

Image Recon

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

SCAN RANGE

FOV:	26.0
Slice Thickness:	1.50
Slices per Slab:	172
Overlap Locations:	0

No Slab Wrap:	1.04
No Phase Wrap:	1.00
Slice Resolution(%):	50.00

ACQ TIMING

Acq Voxel Size:	1.0 X 1.2 X 3.0
Freq:	260
Phase:	220
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	15.0
TE:	Min Full
Number of Echoes:	2
Receiver Bandwidth:	90.91

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

3D Geometry Correction:	On
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Anatomical Region:

Knee

USER CVS

User CV4:	None
User CV6:	1.00
User CV13:	None
User CV16:	None
User CV30:	1.00
User CV34:	70.00

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:	RFT8chFootAnkle
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	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:	16.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 4.0
Freq:	288
Phase:	256
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

SCAN TIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	550.0
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

USER CVS

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
User CV26:	1.00

Non-Viewable Parameters

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