

# Thigh/Calf Tumor Single (Adult) SIGNA Artist

## Technical Instructions

--power inj/subtractions--

3pl loc

Cor STIR DL

Sag STIR 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

# 3pl loc

Details tab

Protocol notes

## 3pl loc

### PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
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:	48.0
Slice Thickness:	8.00
Slice Spacing:	5.0
Overlap Locations:	0
No Phase Wrap:	1.00

## **ACQ TIMING**

Acq Voxel Size:	1.9 X 2.1 X 8.0
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

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## **SCAN TIMING**

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

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## **CONTRAST**

Contrast Yes/No:	No
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## **OTHERS**

Anatomical Region:	Leg
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## **USER CVS**

User CV1:	1.00
User CV39:	1.00

Details tab

Protocol notes

## Cor STIR DL

### PATIENT POSITION

Coil Configuration: GE30chAirAA, GE40chGEMPA  
 Plane: OBLIQUE

### IMAGING PARAMETERS

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

### Image Recon

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

### SCAN RANGE

FOV: 20.0  
 Slice Thickness: 4.00  
 Slice Spacing: 1.0  
 Overlap Locations: 0  
 Number of Slices: 27

**No Phase Wrap:** 2.00

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### **ACQ TIMING**

Acq Voxel Size: 0.6 X 0.9 X 4.0  
Freq: 320  
Phase: 224  
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 (I)

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### **SCAN TIMING**

Flip Angle: 160.0  
TE: 42.0  
Number of Echoes: 1  
TR: 7379.0  
TI: 150  
Echo Train Length: 13  
Receiver Bandwidth: 41.67

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### **CONTRAST**

Contrast Yes/No: No

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## **OTHERS**

Anatomical Region: Hip joint

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## **SAT**

SAT Location S: Default

SAT Location I: Default

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## **USER CVS**

User CV15: None

User CV18: 1.00

User CV21: 1.00

User CV26: 1.00

TR Min: 2000.0

TR Max: 15000.0

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## **Non-Viewable Parameters**

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# Sag STIR DL

Details tab

Protocol notes

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## Sag STIR DL

### PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	OBLIQUE

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### IMAGING PARAMETERS

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

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### Image Recon

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

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### SCAN RANGE

FOV:	20.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
Number of Slices:	27

**No Phase Wrap:** 1.00

---

### **ACQ TIMING**

Acq Voxel Size: 0.6 X 0.9 X 4.0  
Freq: 320  
Phase: 224  
Freq DIR: S/I  
NEX: 1.00  
Phase FOV: 0.70  
Auto Shim: Auto  
Phase Correct: On  
Flow Comp Direction: Freq  
RF Drive Mode: Quadrature  
Excitation Mode: Selective  
Fat Shift DIR: Normal (I)

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### **SCAN TIMING**

Flip Angle: 160.0  
TE: 42.0  
Number of Echoes: 1  
TR: 7379.0  
TI: 150  
Echo Train Length: 13  
Receiver Bandwidth: 41.67

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### **CONTRAST**

Contrast Yes/No: No

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## **OTHERS**

Anatomical Region: Hip joint

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## **SAT**

SAT Location S: Default

SAT Location I: Default

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## **USER CVS**

User CV15: None

User CV18: 1.00

User CV21: 1.00

User CV26: 1.00

TR Min: 2000.0

TR Max: 15000.0

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**Non-Viewable Parameters**

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# Ax T2 Fat DL

Details tab

Protocol notes

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## Ax T2 Fat DL

### PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
Plane:	OBLIQUE

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### IMAGING PARAMETERS

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

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### Image Recon

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

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### SCAN RANGE

FOV:	20.0
Slice Thickness:	5.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

## **ACQ TIMING**

Acq Voxel Size:	0.7 X 0.8 X 5.0
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

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## **SCAN TIMING**

Flip Angle:	160.0
TE:	65.0
Number of Echoes:	1
TR:	3000.0
Echo Train Length:	8
Receiver Bandwidth:	41.67

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## **AIRx**

Anatomical Reference:	None
Anatomical Plane:	None

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## **CONTRAST**

Contrast Yes/No:	No
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## **OTHERS**

Anatomical Region: Leg

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## **SAT**

Fat/Water Saturation: Fat

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## **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

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**Non-Viewable Parameters**

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# Ax T1 DL

Details tab

Protocol notes

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## Ax T1 DL

### PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
Plane:	OBLIQUE

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### IMAGING PARAMETERS

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

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### Image Recon

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

---

### SCAN RANGE

FOV:	20.0
Slice Thickness:	5.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

## **ACQ TIMING**

Acq Voxel Size:	0.7 X 0.8 X 5.0
Freq:	288
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

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## **SCAN TIMING**

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

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## **AIRx**

Anatomical Reference:	None
Anatomical Plane:	None

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## **CONTRAST**

Contrast Yes/No:	No
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**OTHERS**

Anatomical Region: Leg

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**USER CVS**

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV26:	1.00

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**Non-Viewable Parameters**

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# Cor T1 DL

Details tab

Protocol notes

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## Cor T1 DL

### PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
Plane:	OBLIQUE

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### IMAGING PARAMETERS

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

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### Image Recon

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

---

### SCAN RANGE

FOV:	20.0
Slice Thickness:	4.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	2.00

## **ACQ TIMING**

Acq Voxel Size:	0.7 X 0.8 X 4.0
Freq:	288
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

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## **SCAN TIMING**

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

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## **AIRx**

Anatomical Reference:	None
Anatomical Plane:	None

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## **CONTRAST**

Contrast Yes/No:	No
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***OTHERS***

Anatomical Region: Leg

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**USER CVS**

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV26:	1.00

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**Non-Viewable Parameters**

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# Ax T1 Lava-Flex Pre

Details tab

Protocol notes

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## Ax T1 Lava-Flex Pre

### PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	AXIAL

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### 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

<b>No Slab Wrap:</b>	<b>1.04</b>
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

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### **SCAN TIMING**

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

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### **CONTRAST**

Contrast Yes/No:	Yes
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### **OTHERS**

3D Geometry Correction:	On
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***Anatomical Region:***

***Rectum***

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**USER CVS**

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

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**Non-Viewable Parameters**

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# Ax T1 Lava-Flex 2min

Details tab

Protocol notes

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## Ax T1 Lava-Flex 2min

### PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	AXIAL

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### 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

<b>No Slab Wrap:</b>	<b>1.04</b>
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

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### **SCAN TIMING**

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

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### **MULTI-PHASE**

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

**Mask Pause:** *Off*

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**CONTRAST**

Contrast Yes/No: Yes

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**OTHERS**

3D Geometry Correction: On

Anatomical Region: Rectum

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**USER CVS**

User CV4: None

User CV6: 1.00

User CV13: None

User CV16: None

User CV30: 1.00

User CV34: 70.00

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**Non-Viewable Parameters**

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# Cor T1 Lava-Flex

Details tab

Protocol notes

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## Cor T1 Lava-Flex

### PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	CORONAL

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### 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

<b>No Slab Wrap:</b>	<b>1.04</b>
No Phase Wrap:	1.50
Slice Resolution(%):	50.00

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### **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

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### **SCAN TIMING**

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

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### **CONTRAST**

Contrast Yes/No:	Yes
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### **OTHERS**

3D Geometry Correction:	On
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***Anatomical Region:***

***Rectum***

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**USER CVS**

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

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**Non-Viewable Parameters**

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# Sag T1 Lava-Flex

Details tab

Protocol notes

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## Sag T1 Lava-Flex

### PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	SAGITTAL

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### 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

<b>No Slab Wrap:</b>	<b>1.04</b>
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

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### **CONTRAST**

Contrast Yes/No:	Yes
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### **OTHERS**

3D Geometry Correction:	On
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***Anatomical Region:***

***Rectum***

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**USER CVS**

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

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**Non-Viewable Parameters**

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# +c Ax T1 Fat DL

Details tab

Protocol notes

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## +c Ax T1 Fat DL

### PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE16chTDIAA
Plane:	OBLIQUE

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### IMAGING PARAMETERS

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

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### Image Recon

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

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### SCAN RANGE

FOV:	20.0
Slice Thickness:	5.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

## **ACQ TIMING**

Acq Voxel Size:	0.7 X 0.8 X 5.0
Freq:	288
Phase:	256
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
Excitation Mode:	Selective
Fat Shift DIR:	Normal

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## **SCAN TIMING**

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

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## **AIRx**

Anatomical Reference:	None
Anatomical Plane:	None

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## **CONTRAST**

Contrast Yes/No:	Yes
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## **OTHERS**

Anatomical Region: Leg

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## **SAT**

Fat/Water Saturation: Fat

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## **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

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**Non-Viewable Parameters**

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