

Shoulder TUMOR SIGNA Artist

Technical Instructions

--power inj/subtractions--

RT 3PL LOC

LT 3PL LOC

Ax T2 Fat DL

Ax T1 DL

Cor T1 DL

Cor T2 Fat DL

Sag T2 Fat DL

Ax T1 Lava-Flex Pre

Ax T1 Lava-Flex 2min

Cor T1 Lava-Flex

Sag T1 Lava-Flex

+c Ax T1 Fat DL

--power inj/subtractions--

Detailstab

Protocolnotes

--power inj/subtractions--

PATIENTPOSITION

Coil Configuration: GE20chFlexM

Plane: 3-PLANE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: Seq, Fast, SS

Pulse Sequence: Spin Echo

ImageRecon

Recon DL Strength: Off

Intensity Correction: NONE

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 34.0

Slice Thickness: 8.00

Slice Spacing: 0.0

Overlap Locations: 0

No Phase Wrap: 1.00

ACQTIMING

Acq Voxel Size:	1.3 X 2.7 X 8.0
Freq:	256
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
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:	Shoulder
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USERCVS

User CV1:	1.00
User CV2:	240.00

User CV13:

1.00

Non-Viewable Parameters

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RT 3PL LOC

Detailstab

Protocolnotes

RT 3PL LOC

PATIENTPOSITION

Coil Configuration:	GE20chFlexM
Plane:	3-PLANE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV:	34.0
Slice Thickness:	8.00
Slice Spacing:	0.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQTIMING

Acq Voxel Size:	1.3 X 2.7 X 8.0
Freq:	256
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature
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:	Shoulder
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USERCVS

User CV1:	1.00
User CV2:	240.00

User CV13:

1.00

Non-Viewable Parameters

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LT 3PL LOC

Detailstab

Protocolnotes

LT 3PL LOC

PATIENTPOSITION

Coil Configuration: GE40chGEMPA, Inv16chCardiacAA
Plane: 3-PLANE

IMAGINGPARAMETERS

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

ImageRecon

Intensity Correction: NONE
Intensity Filter: None

SCANRANGE

FOV: 34.0
Slice Thickness: 8.0
Slice Spacing: 5.0
No Phase Wrap: 1.00

ACQTIMING

Acq Voxel Size: 1.3 X 2.7 X 8.0
Freq: 256

Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off

SCANTIMING

TE:	Minimum
TR:	Minimum
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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GATING/TRIGGER

Auto Trigger Type:	Off
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USERCVS

User CV1:	1.0
User CV2:	240.00
TR Min:	-
TR Max:	-

Ax T2 Fat DL

Detailstab

Protocolnotes

Ax T2 Fat DL

PATIENTPOSITION

Coil Configuration: GE40chGEMPA, Inv16chCardiacAA
Plane: OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV: 16.0
Slice Thickness: 5.00
Slice Spacing: 1.5
Overlap Locations: 0
No Phase Wrap: 1.50

ACQTIMING

Acq Voxel Size:	0.6 X 0.6 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

SCANTIMING

Flip Angle:	160.0
TE:	60.0
Number of Echoes:	1
TR:	2149.0
Echo Train Length:	8
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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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
TR Min:	3000.0
TR Max:	10000.0

Non-Viewable Parameters

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Ax T1 DL

Detailstab

Protocolnotes

Ax T1 DL

PATIENTPOSITION

Coil Configuration: GE40chGEMPA, Inv16chCardiacAA
Plane: OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV: 16.0
Slice Thickness: 5.00
Slice Spacing: 1.5
Overlap Locations: 0
No Phase Wrap: 1.50

ACQTIMING

Acq Voxel Size:	0.6 X 0.6 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

SCANTIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	478.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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USERCVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
TR Min:	300.0
TR Max:	750.0

Non-Viewable Parameters

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Cor T1 DL

Detailstab

Protocolnotes

Cor T1 DL

PATIENTPOSITION

Coil Configuration: GE40chGEMPA, Inv16chCardiacAA

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: EDR, TRF, Fast

Pulse Sequence: FSE-XL

ImageRecon

Recon DL Strength: Medium

Intensity Correction: SCENIC

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 18.0

Slice Thickness: 4.00

Slice Spacing: 1.0

Overlap Locations: 0

No Phase Wrap: 1.50

ACQTIMING

Acq Voxel Size:	0.6 X 0.7 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

SCANTIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	511.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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USERCVS

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

Non-Viewable Parameters

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Cor T2 Fat DL

Detailstab

Protocolnotes

Cor T2 Fat DL

PATIENTPOSITION

Coil Configuration: GE40chGEMPA, Inv16chCardiacAA

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: EDR, TRF, Fast

Pulse Sequence: FSE-XL

ImageRecon

Recon DL Strength: Medium

Intensity Correction: NONE

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 18.0

Slice Thickness: 4.00

Slice Spacing: 1.0

Overlap Locations: 0

No Phase Wrap: 1.50

ACQTIMING

Acq Voxel Size:	0.6 X 0.7 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

SCANTIMING

Flip Angle:	160.0
TE:	60.0
Number of Echoes:	1
TR:	3000.0
Echo Train Length:	8
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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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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Sag T2 Fat DL

Detailstab

Protocolnotes

Sag T2 Fat DL

PATIENTPOSITION

Coil Configuration: GE40chGEMPA, Inv16chCardiacAA
Plane: OBLIQUE

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

FOV: 18.0
Slice Thickness: 4.00
Slice Spacing: 1.0
Overlap Locations: 0
No Phase Wrap: 1.50

ACQTIMING

Acq Voxel Size:	0.6 X 0.7 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

SCANTIMING

Flip Angle:	160.0
TE:	60.0
Number of Echoes:	1
TR:	3000.0
Echo Train Length:	8
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Shoulder
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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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Ax T1 Lava-Flex Pre

Detailstab

Protocolnotes

Ax T1 Lava-Flex Pre

PATIENTPOSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	AXIAL

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

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

ACQTIMING

Acq Voxel Size:	1.0 X 1.2 X 1.5
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

SCANTIMING

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:

Rectum

USERCVS

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

Detailstab

Protocolnotes

Ax T1 Lava-Flex 2min

PATIENTPOSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	AXIAL

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

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

ACQTIMING

Acq Voxel Size:	1.0 X 1.2 X 1.5
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

SCANTIMING

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:

Rectum

USERCVS

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

Detailstab

Protocolnotes

Cor T1 Lava-Flex

PATIENTPOSITION

Coil Configuration: GE30chAirAA, GE40chGEMPA

Plane: CORONAL

IMAGINGPARAMETERS

Imaging Mode: 3D

Imaging Options: EDR, Fast, ARC, Flex

Pulse Sequence: LAVA

IDEAL: 3

ARC Phase: 2.00

ARC Slice: 1.00

ImageRecon

Recon DL Strength: Off

Intensity Correction: PURE

Intensity Filter: None

Save Original: Off

SCANRANGE

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

ACQTIMING

Acq Voxel Size:	1.0 X 1.2 X 1.5
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

SCANTIMING

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:

Rectum

USERCVS

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

Detailstab

Protocolnotes

Sag T1 Lava-Flex

PATIENTPOSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	SAGITTAL

IMAGINGPARAMETERS

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

ImageRecon

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

SCANRANGE

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

ACQTIMING

Acq Voxel Size:	1.0 X 1.2 X 1.5
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

SCANTIMING

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:

Rectum

USERCVS

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

Detailstab

Protocolnotes

+c Ax T1 Fat DL

PATIENTPOSITION

Coil Configuration: GE40chGEMPA, Inv16chCardiacAA

Plane: OBLIQUE

IMAGINGPARAMETERS

Imaging Mode: 2D

Imaging Options: EDR, TRF, Fast

Pulse Sequence: FSE-XL

ImageRecon

Recon DL Strength: Medium

Intensity Correction: SCENIC

Intensity Filter: None

Save Original: Off

SCANRANGE

FOV: 16.0

Slice Thickness: 5.00

Slice Spacing: 1.5

Overlap Locations: 0

No Phase Wrap: 1.50

ACQTIMING

Acq Voxel Size:	0.6 X 0.6 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

SCANTIMING

Flip Angle:	160.0
TE:	20.0
Number of Echoes:	1
TR:	478.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Shoulder
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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
User CV26:	1.00
TR Min:	300.0
TR Max:	750.0

Non-Viewable Parameters

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