

Cervical Spine Adult SIGNA Architect

Technical Instructions

3-Plane Loc

--Neuro Sag T1--

C-Sag T1 FLAIR DL

--MSK Sag T1--

C-Sag T1 DL

--Pre Contrast--

C-Sag STIR PROPELLER DL

Sag T2 Cube (angle on sag to cord)

C-Ax T1 DL

C-Ax 2D MERGE

--for MS-

Sag T1 PSIR

--Adult Neuro Post Contrast--

C+c Sag T1 Fat DL

C+c Ax T1 DL

--MSK/Peds Neuro/Peds Post Contrast--

C+c Sag T1 Fat DL

C+c Ax T1 Fat DL

--for motion-

C-Ax T2 DL

Sag T1 FLAIR PROPELLER

Sag T1 PROPELLER DL

Sag T2 PROPELLER DL

+C Sag T1 Fat PROPELLER DL

--trauma--

COR 3D STIR CUBE

Cor STIR Reformat

Sag 3D FIESTA

--osseous mets--

C-Sag DWI DL

Cor 3D FIESTA

Ax PD Cube FOCUS

C-Sag Out phase

C-Sag In phase

Ax DWI Bval 900

C-Ax T1 DL

C+c Ax T1 DL

C+c Ax T1 FAT DL

3-Plane Loc

Details tab

Protocol notes

3-Plane Loc

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE19chGEMHNUFace
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:	30.0
Slice Thickness:	5.00
Slice Spacing:	5.0
Overlap Locations:	0

No Phase Wrap: **1.00**

ACQ TIMING

Acq Voxel Size:	0.8 X 2.3 X 5.0
Freq:	384
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective

SCAN TIMING

TE:	80.0
Number of Echoes:	1
TR:	1000.0
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Cervical spine

USER CVS

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

Non-Viewable Parameters

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--Neuro Sag T1--

Details tab

Protocol notes

--Neuro Sag T1--

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE19chGEMHNUFace
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:	30.0
Slice Thickness:	5.00
Slice Spacing:	5.0
Overlap Locations:	0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 2.3 X 5.0
Freq:	384
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective

SCAN TIMING

TE:	80.0
Number of Echoes:	1
TR:	1000.0
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Cervical spine

USER CVS

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

Non-Viewable Parameters

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C-Sag T1 FLAIR DL

Details tab

Protocol notes

C-Sag T1 FLAIR DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE19chGEMHNUFace
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	Seq, EDR, TRF, Fast, T1flair
Pulse Sequence:	FSE-XL

Image Recon

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

SCAN RANGE

FOV:	22.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.7 X 0.9 X 4.0
Freq:	320
Phase:	256
Freq DIR:	Swap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	142.0
TE:	24.0
Number of Echoes:	1
TR:	2100.0
TI:	712
Echo Train Length:	8
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Cervical spine
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SAT

SAT Location A:	Default
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USER CVS

User CV9:	None
User CV11:	None
User CV15:	None
User CV18:	None
User CV21:	None
User CV29:	1.00
User CV41:	None

Non-Viewable Parameters	ñ
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--MSK Sag T1--

Details tab

Protocol notes

--MSK Sag T1--

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE19chGEMHNUFace
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:	30.0
Slice Thickness:	5.00
Slice Spacing:	5.0
Overlap Locations:	0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 2.3 X 5.0
Freq:	384
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective

SCAN TIMING

TE:	80.0
Number of Echoes:	1
TR:	1000.0
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Cervical spine

USER CVS

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

Non-Viewable Parameters

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C-Sag T1 DL

Details tab

Protocol notes

C-Sag T1 DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA
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:	On

SCAN RANGE

FOV:	22.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.7 X 1.0 X 4.0
Freq:	320
Phase:	224
Freq DIR:	Swap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	120.0
TE:	18.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	3
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Cervical spine
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SAT

SAT Location A:**Default****USER CVS**

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV21:	None
User CV29:	1.00
User CV41:	None

Non-Viewable Parameters

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--Pre Contrast--

Details tab

Protocol notes

--Pre Contrast--

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE19chGEMHNUFace
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:	30.0
Slice Thickness:	5.00
Slice Spacing:	5.0
Overlap Locations:	0

No Phase Wrap: **1.00**

ACQ TIMING

Acq Voxel Size:	0.8 X 2.3 X 5.0
Freq:	384
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective

SCAN TIMING

TE:	80.0
Number of Echoes:	1
TR:	1000.0
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Cervical spine

USER CVS

<i>User CV1:</i>	<i>None</i>
User CV2:	240.00
User CV13:	1.00

Non-Viewable Parameters

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C-Sag STIR PROPELLER DL

Details tab

Protocol notes

C-Sag STIR PROPELLER DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ARC, IrP
Pulse Sequence:	PROPELLER
ARC Phase:	2.00

Image Recon

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

SCAN RANGE

FOV:	22.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.8 X 0.8 X 4.0
Freq:	288
Freq DIR:	Unswap
NEX:	2.00
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	160.0
TE:	40.0
Number of Echoes:	1
TR:	3000.0
TI:	200
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Cervical spine
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USER CVS

User CV15:	None
User CV26:	1.00

<i>User CV28:</i>	<i>None</i>
User CV29:	1.00
User CV41:	None

Non-Viewable Parameters

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Sag T2 Cube (angle on sag to cord)

Details tab

Protocol notes

Sag T2 Cube (angle on sag to cord)

PATIENT POSITION

Coil Configuration:	GE19chGEMHNUFace, GE40chGEMPA
Plane:	SAGITTAL

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	FC, EDR, Fast, ZIP1024, FR, ARC
Pulse Sequence:	Cube
ARC Phase:	2.00
ARC Slice:	1.00

Image Recon

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

SCAN RANGE

FOV:	18.0
Slice Thickness:	1.00
Slices per Slab:	90
Overlap Locations:	0

No Slab Wrap:	1.16
Slice Resolution(%):	100.00

ACQ TIMING

Acq Voxel Size:	0.8 X 0.8 X 1.0
Freq:	240
Phase:	240
Freq DIR:	A/P
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	On
Phase Correct:	Off
Flow Comp Direction:	Freq
RF Drive Mode:	Preset
Excitation Mode:	Focus
Fat Shift DIR:	Normal (P)

SCAN TIMING

TE:	90.0
Number of Echoes:	1
TR:	2000.0
Echo Train Length:	100
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	On
Anatomical Region:	Cervical spine

USER CVS

User CV22:	2.00
User CV29:	1.00
User CV32:	None
User CV34:	100.00
User CV41:	None

Non-Viewable Parameters	ñ
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C-Ax T1 DL

Details tab

Protocol notes

C-Ax T1 DL

PATIENT POSITION

Coil Configuration:	GE19chGEMHNUFace, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ZIP512, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	1.50

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:	0.4
Overlap Locations:	0
Number of Slices:	21

No Phase Wrap: **2.00**

ACQ TIMING

Acq Voxel Size:	0.7 X 0.9 X 4.0
Freq:	220
Phase:	180
Freq DIR:	R/L
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	0.70
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	111
TE:	18.0
Number of Echoes:	1
TR:	701.0
Echo Train Length:	3
Receiver Bandwidth:	31.25

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:**Cervical spine****SAT**

SAT Location A: A14.7

USER CVS

User CV6: None

User CV9: None

User CV15: 2.00

User CV16: 1.00

User CV18: None

User CV21: None

User CV29: 1.00

User CV30: 1.00

User CV41: None

TR Min: 500.0

TR Max: 850.0

Non-Viewable Parameters

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C-Ax 2D MERGE

Details tab

Protocol notes

C-Ax 2D MERGE

PATIENT POSITION

Coil Configuration:	GE19chGEMHNUFace, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	FC, EDR, Fast
Pulse Sequence:	MERGE

Image Recon

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

SCAN RANGE

FOV:	16.0
Slice Thickness:	4.00
Slice Spacing:	0.0
Overlap Locations:	0
No Phase Wrap:	2.00

ACQ TIMING

Acq Voxel Size:	0.6 X 0.8 X 4.0
Freq:	288
Phase:	192
Freq DIR:	Unswap
NEX:	1.00
Phase FOV:	0.70
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	20.0
Number of Echoes:	3
TR:	850.0
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Cervical spine
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GATING/TRIGGER

Pause After Navigator Prescan:	0
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USER CVS

<i>User CV8:</i>	<i>None</i>
User CV19:	None
User CV20:	1.00
User CV41:	None

Non-Viewable Parameters

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--for MS-

Details tab

Protocol notes

--for MS-

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE19chGEMHNUFace
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:	30.0
Slice Thickness:	5.00
Slice Spacing:	5.0
Overlap Locations:	0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 2.3 X 5.0
Freq:	384
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective

SCAN TIMING

TE:	80.0
Number of Echoes:	1
TR:	1000.0
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Cervical spine

USER CVS

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

Non-Viewable Parameters

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Sag T1 PSIR

Details tab

Protocol notes

Sag T1 PSIR

PATIENT POSITION

Coil Configuration:	GE19chGEMHNUFace, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	Seq, EDR, TRF, Fast, ZIP1024, PS, ARC, T1flair
Pulse Sequence:	FSE-XL
ARC Phase:	1.50

Image Recon

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

SCAN RANGE

FOV:	16.0
Slice Thickness:	3.00
Slice Spacing:	0.3
Overlap Locations:	0

Number of Slices:	13
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.7 X 0.9 X 3.0
Freq:	220
Phase:	180
Freq DIR:	A/P
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	1.50
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (P)

SCAN TIMING

Flip Angle:	111.0
TE:	24.0
Number of Echoes:	1
TR:	2296.9
TI:	450
Echo Train Length:	15
Receiver Bandwidth:	50.00

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region: Cervical spine

SAT

SAT Location A:	A26.6
SAT Location S:	Default
SAT Location I:	Default

USER CVS

User CV9:	None
User CV11:	1.00
User CV15:	2.00
User CV18:	1.00
User CV21:	None
User CV26:	1.00
User CV29:	1.00
User CV41:	None

Non-Viewable Parameters

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--Adult Neuro Post Contrast--

Details tab

Protocol notes

--Adult Neuro Post Contrast--

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE19chGEMHNUFace
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:	30.0
Slice Thickness:	5.00
Slice Spacing:	5.0
Overlap Locations:	0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 2.3 X 5.0
Freq:	384
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective

SCAN TIMING

TE:	80.0
Number of Echoes:	1
TR:	1000.0
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Cervical spine

USER CVS

<i>User CV1:</i>	<i>None</i>
User CV2:	240.00
User CV13:	1.00

Non-Viewable Parameters

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C+c Sag T1 Fat DL

Details tab

Protocol notes

C+c Sag T1 Fat DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA
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:	On

SCAN RANGE

FOV:	22.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.7 X 1.0 X 4.0
Freq:	320
Phase:	224
Freq DIR:	Swap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	120.0
TE:	18.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Cervical spine
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SAT

<i>SAT Location A:</i>	<i>Default</i>
Fat/Water Saturation:	Fat

USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV29:	1.00
User CV41:	None

Non-Viewable Parameters

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C+c Ax T1 DL

Details tab

Protocol notes

C+c Ax T1 DL

PATIENT POSITION

Coil Configuration:	GE19chGEMHNUFace, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ZIP512, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	1.50

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:	0.4
Overlap Locations:	0
Number of Slices:	21

No Phase Wrap: **2.00**

ACQ TIMING

Acq Voxel Size:	0.7 X 0.9 X 4.0
Freq:	220
Phase:	180
Freq DIR:	R/L
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	0.70
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	111
TE:	18.0
Number of Echoes:	1
TR:	701.0
Echo Train Length:	3
Receiver Bandwidth:	31.25

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:**Cervical spine****SAT**

SAT Location A: A14.7

USER CVS

User CV6: None

User CV9: None

User CV15: 2.00

User CV16: 1.00

User CV18: None

User CV21: None

User CV29: 1.00

User CV30: 1.00

User CV41: None

TR Min: 500.0

TR Max: 850.0

Non-Viewable Parameters

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--MSK/Peds Neuro/Peds Post Contrast--

Details tab

Protocol notes

--MSK/Peds Neuro/Peds Post Contrast--

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE19chGEMHNUFace
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:	30.0
Slice Thickness:	5.00
Slice Spacing:	5.0
Overlap Locations:	0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 2.3 X 5.0
Freq:	384
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective

SCAN TIMING

TE:	80.0
Number of Echoes:	1
TR:	1000.0
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Cervical spine

USER CVS

<i>User CV1:</i>	<i>None</i>
User CV2:	240.00
User CV13:	1.00

Non-Viewable Parameters

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C+c Sag T1 Fat DL

Details tab

Protocol notes

C+c Sag T1 Fat DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA
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:	On

SCAN RANGE

FOV:	22.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
No Phase Wrap:	1.50

ACQ TIMING

Acq Voxel Size:	0.7 X 1.0 X 4.0
Freq:	320
Phase:	224
Freq DIR:	Swap
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	120.0
TE:	18.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Cervical spine
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SAT

<i>SAT Location A:</i>	<i>Default</i>
Fat/Water Saturation:	Fat

USER CVS

User CV6:	None
User CV9:	None
User CV15:	None
User CV16:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV29:	1.00
User CV41:	None

C+c Ax T1 Fat DL

Details tab

Protocol notes

C+c Ax T1 Fat DL

PATIENT POSITION

Coil Configuration:	GE19chGEMHNUFace, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ZIP512, ARC
Pulse Sequence:	FSE-XL
ARC Phase:	1.50

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:	0.4
Overlap Locations:	0
Number of Slices:	21

No Phase Wrap: **2.00**

ACQ TIMING

Acq Voxel Size:	0.7 X 0.9 X 4.0
Freq:	220
Phase:	180
Freq DIR:	R/L
NEX:	1.00
# of Acq. Before Pause:	0
Phase FOV:	0.70
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	111
TE:	18.0
Number of Echoes:	1
TR:	515.0
Echo Train Length:	3
Receiver Bandwidth:	31.25

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:**Cervical spine****SAT**

SAT Location A: A14.7

Fat/Water Saturation: Fat

USER CVS

User CV6: None

User CV9: None

User CV15: 2.00

User CV16: 1.00

User CV18: None

User CV19: 1.00

User CV21: None

User CV29: 1.00

User CV30: 1.00

User CV41: None

TR Min: 500.0

TR Max: 850.0

Non-Viewable Parameters

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--for motion-

Details tab

Protocol notes

--for motion-

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE19chGEMHNUFace
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:	30.0
Slice Thickness:	5.00
Slice Spacing:	5.0
Overlap Locations:	0

No Phase Wrap:

1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 2.3 X 5.0
Freq:	384
Phase:	128
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective

SCAN TIMING

TE:	80.0
Number of Echoes:	1
TR:	1000.0
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Cervical spine

USER CVS

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

Non-Viewable Parameters

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C-Ax T2 DL

Details tab

Protocol notes

C-Ax T2 DL

PATIENT POSITION

Coil Configuration:	GE19chGEMHNUFace, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	FC, EDR, TRF, Fast, ZIP512
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:	0.4
Overlap Locations:	0
Number of Slices:	21

No Phase Wrap:

2.00

ACQ TIMING

Acq Voxel Size:	0.7 X 0.8 X 4.0
Freq:	220
Phase:	200
Freq DIR:	R/L
NEX:	1.50
Phase FOV:	0.65
Auto Shim:	Auto
Phase Correct:	Off
Flow Comp Direction:	Slice
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	150.0
TE:	120.0
Number of Echoes:	1
TR:	5000.0
Echo Train Length:	19
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:

Cervical spine

SAT

SAT Location A: A14.7

USER CVS

User CV6: None

User CV7: None

User CV15: 1.00

User CV16: None

User CV18: 1.00

User CV21: None

User CV29: 1.00

User CV41: None

TR Min: 5000.0

TR Max: 10000.0

Non-Viewable Parameters

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Sag T1 FLAIR PROPELLER

Details tab

Protocol notes

Sag T1 FLAIR PROPELLER

PATIENT POSITION

Coil Configuration:	GE19chGEMHNUFace, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ARC, T1flair
Pulse Sequence:	PROPELLER
ARC Phase:	2.00

Image Recon

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

SCAN RANGE

FOV:	22.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
Number of Slices:	10

No Phase Wrap: **1.50**

ACQ TIMING

Acq Voxel Size:	0.7 X 0.7 X 4.0
Freq:	320
Freq DIR:	A/P
NEX:	2.50
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (P)

SCAN TIMING

Flip Angle:	140.0
TE:	35.0
Number of Echoes:	1
TR:	1925.0
TI:	667
Echo Train Length:	11
Receiver Bandwidth:	50.00

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Cervical spine
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USER CVS

User CV11:	1.00
User CV15:	None
User CV29:	1.00
User CV41:	None

Non-Viewable Parameters

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Sag T1 PROPELLER DL

Details tab

Protocol notes

Sag T1 PROPELLER DL

PATIENT POSITION

Coil Configuration:	GE19chGEMHNUFace, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ARC
Pulse Sequence:	PROPELLER
ARC Phase:	2.00

Image Recon

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

SCAN RANGE

FOV:	22.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
Number of Slices:	8

No Phase Wrap: **1.50**

ACQ TIMING

Acq Voxel Size: 0.7 X 0.7 X 4.0
Freq: 320
Freq DIR: A/P
NEX: 2.50
Auto Shim: On
Phase Correct: Off
RF Drive Mode: Preset
Excitation Mode: Selective
Fat Shift DIR: Normal (P)

SCAN TIMING

Flip Angle: 111.0
TE: 18.0
Number of Echoes: 1
TR: 513.0
Echo Train Length: 5
Receiver Bandwidth: 62.50

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Cervical spine

USER CVS

User CV6:	None
User CV15:	None
User CV16:	1.00
User CV29:	1.00
User CV41:	None
TR Min:	500.0
TR Max:	900.0

Non-Viewable Parameters

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Sag T2 PROPELLER DL

Details tab

Protocol notes

Sag T2 PROPELLER DL

PATIENT POSITION

Coil Configuration:	GE19chGEMHNUFace, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	FC, EDR, TRF, Fast, ARC
Pulse Sequence:	PROPELLER
ARC Phase:	2.00

Image Recon

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

SCAN RANGE

FOV:	22.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
Number of Slices:	10

No Phase Wrap: **1.50**

ACQ TIMING

Acq Voxel Size:	0.6 X 0.6 X 4.0
Freq:	384
Freq DIR:	A/P
NEX:	2.50
Auto Shim:	On
Phase Correct:	Off
Flow Comp Direction:	Freq
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (P)

SCAN TIMING

Flip Angle:	142.0
TE:	102.0
Number of Echoes:	1
TR:	3166.0
Echo Train Length:	25
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Cervical spine
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USER CVS

User CV6:	None
User CV15:	None
User CV16:	None
User CV29:	1.00
User CV41:	None
TR Min:	2800.0
TR Max:	10000.0

Non-Viewable Parameters

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+C Sag T1 Fat PROPELLER DL

Details tab

Protocol notes

+C Sag T1 Fat PROPELLER DL

PATIENT POSITION

Coil Configuration:	GE19chGEMHNUFace, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, ARC
Pulse Sequence:	PROPELLER
ARC Phase:	2.00

Image Recon

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

SCAN RANGE

FOV:	22.0
Slice Thickness:	4.00
Slice Spacing:	0.4
Overlap Locations:	0
Number of Slices:	8

No Phase Wrap: **1.50**

ACQ TIMING

Acq Voxel Size:	0.7 X 0.7 X 4.0
Freq:	320
Freq DIR:	A/P
NEX:	2.50
Auto Shim:	On
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective
Fat Shift DIR:	Normal (P)

SCAN TIMING

Flip Angle:	111.0
TE:	18.0
Number of Echoes:	1
TR:	691.0
Echo Train Length:	5
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Cervical spine
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SAT

Fat/Water Saturation:***Fat*****USER CVS**

User CV6:	None
User CV15:	None
User CV16:	1.00
User CV19:	1.00
User CV29:	1.00
User CV41:	None
TR Min:	500.0
TR Max:	900.0

Non-Viewable Parameters

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--trauma--

PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE19chGEMHNUFace
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:	30.0
Slice Thickness:	5.0
Slice Spacing:	15.0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 1.9 X 5.0
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<i>Freq:</i>	384
Phase:	160
Freq DIR:	Unswap
# of Acq. Before Pause:	0
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Quadrature

SCAN TIMING

TE:	80.0
TR:	Minimum
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Cervical spine

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

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COR 3D STIR CUBE

Details tab

Protocol notes

COR 3D STIR CUBE

PATIENT POSITION

Coil Configuration:GE40chGEMPA, Inv16chCardiacAA

Plane:OBLIQUE

IMAGING PARAMETERS

Imaging Mode:3D

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

Pulse Sequence:Cube

ARC Phase:1.10

ARC Slice:1.00

HyperSense:1.20

Image Recon

Recon DL Strength:Medium

Intensity Correction:PURE

Intensity Filter:None

Save Original:On

SCAN RANGE

FOV:25.0

Slice Thickness:0.60

Slices per Slab:132

Overlap Locations:	0
Number of Slices:	1
No Slab Wrap:	1.24
Slice Resolution(%):	50.00

ACQ TIMING

Acq Voxel Size:	1.0 X 1.0 X 1.2
Freq:	256
Phase:	256
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	0.90
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Focus
Fat Shift DIR:	Normal (I)

SCAN TIMING

TE:	60.0
Number of Echoes:	1
TR:	3000.0
TI:	230
Echo Train Length:	130
Receiver Bandwidth:	100.00

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Neck and Chest

USER CVS

User CV23:	1.00
User CV32:	None
User CV34:	100.00
User CV40:	None

Non-Viewable Parameters	ñ
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Cor STIR Reformat

Details tab

Protocol notes

Cor STIR Reformat

COR 3D STIR CUBE

Coronal

Field of View:	25.0
Spacing:	3.0
Thickness:	3.0
Save Direction:	P -> A
Render Mode:	Average
Series Description:	Cor STIR Reformat Ob_Cor_P -> A_Average_sp:3.0_th:3.0

Use Scan Fov:	Off
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Non-Viewable Parameters

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Sag 3D FIESTA

Details tab

Protocol notes

Sag 3D FIESTA

PATIENT POSITION

Coil Configuration:

GE48chHeadPos, GE48chHeadAnt

Plane:

OBLIQUE

IMAGING PARAMETERS

Imaging Mode:

3D

Imaging Options:

EDR, Fast, ZIP512

Pulse Sequence:

Fiesta-C

Image Recon

Recon DL Strength:

Off

Intensity Correction:

SCENIC

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

14.0

Slice Thickness:

0.80

Slices per Slab:

112

Overlap Locations:

0

Number of Slices:

1

No Slab Wrap:

1.07

No Phase Wrap:

2.00

Slice Resolution(%): ***50.00***

ACQ TIMING

Acq Voxel Size:	0.7 X 0.7 X 1.6
Freq:	192
Phase:	192
Freq DIR:	Unswap
NEX:	0.50
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

Flip Angle:	55.0
TE:	Minimum
Number of Echoes:	1
Receiver Bandwidth:	62.50

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	On
Anatomical Region:	Brain

USER CVS

User CV5:	None
User CV30:	1.00
User CV34:	70.00

Non-Viewable Parameters

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Details tab

Protocol notes

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PATIENT POSITION

Coil Configuration:	GE40chGEMPA, GE19chGEMHNUFace
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:	30.0
Slice Thickness:	5.0
Slice Spacing:	15.0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.8 X 1.9 X 5.0
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<i>Freq:</i>	384
Phase:	160
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:	80.0
TR:	Minimum
Receiver Bandwidth:	83.33

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Cervical spine

GATING/TRIGGER

Auto Trigger Type:	Off
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USER CVS

User CV1:	1.0
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User CV2:	240.00
User CV13:	1.00
User CV15:	None
User CV39:	1.00

Non-Viewable Parameters

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C-Sag DWI DL

Details tab

Protocol notes

C-Sag DWI DL

PATIENT POSITION

Coil Configuration:	GE40chGEMPA
Plane:	SAGITTAL

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, Asset
Pulse Sequence:	DW EPI
Phase:	2.00

Image Recon

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

SCAN RANGE

FOV:	24.0
Slice Thickness:	4.00
Slice Spacing:	0.0
Overlap Locations:	0

ACQ TIMING

Acq Voxel Size:	3.0 X 1.7 X 4.0
Freq:	80
Phase:	140
Freq DIR:	S/I
Phase FOV:	0.80
Auto Shim:	On
Phase Correct:	On
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

TE:	Minimum
Number of Echoes:	1
TR:	5000.0
Number of Shots:	1

DIFFUSION

Multi b-values:	600.0;
Optimized TE:	On
Multi NEX Values:	8.0;
Diffusion Directions:	All
Number of Diffusion Directions:	3
Number of T2 Images:	1
NEX For T2:	2.00
Dual Spin Echo:	Off
# Synthetic b-values:	0
Recon All Images:	On

Real Time Field Adjustment: ***On***

CONTRAST

Contrast Yes/No: No

OTHERS

3D Geometry Correction: Off

Anatomical Region: Cervical spine

USER CVS

User CV0: 1.00

User CV5: 1.00

User CV7: None

User CV9: None

Non-Viewable Parameters

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