

Neurogram Peroneal Knee/Proximal Calf SIGNA Artist

Technical Instructions

Rt 3-Plane Loc

Lt 3-Plane Loc

Ax T1 DL

Ax T2 fat DL

3D Sag MENSA Nerve

3D Ax MENSA Nerve

ltd Sag T2 IDEAL

Sag PD Fat DL

--opt contrast--

+C Ax T1 fat DL

Rt 3-Plane Loc

Details tab

Protocol notes

Rt 3-Plane Loc

PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
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:	40.0
Slice Thickness:	5.00
Slice Spacing:	10.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	1.0 X 1.6 X 5.0
Freq:	384
Phase:	256
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
Number of Echoes:	1
TR:	Minimum
Receiver Bandwidth:	62.50

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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Lt 3-Plane Loc

Details tab

Protocol notes

Lt 3-Plane Loc

PATIENT POSITION

Coil Configuration: GE30chAirAA, GE40chGEMPA
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: 40.0
Slice Thickness: 5.00
Slice Spacing: 10.0
Overlap Locations: 0
No Phase Wrap: 1.00

ACQ TIMING

Acq Voxel Size:	1.0 X 1.6 X 5.0
Freq:	384
Phase:	256
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
Number of Echoes:	1
TR:	Minimum
Receiver Bandwidth:	62.50

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Knee
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USER CVS

User CV1:	1.00
User CV39:	1.00

Details tab

Protocol notes

Ax T1 DL

PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	2D
Imaging Options:	EDR, TRF, Fast, 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:	18.0
Slice Thickness:	3.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.25

ACQ TIMING

Acq Voxel Size:	0.5 X 0.7 X 3.0
Freq:	384
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
TE:	20.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	4
Receiver Bandwidth:	50.00

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region: Knee

SAT

SAT Location S: Default

SAT Location I: Default

USER CVS

User CV6: None

User CV8: 1.00

User CV9: None

User CV12: 1.00

User CV15: None

User CV16: None

User CV18: None

User CV21: None

User CV30: 1.00

User CV39: 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:	GE30chAirAA, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

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

SCAN RANGE

FOV:	18.0
Slice Thickness:	3.00
Slice Spacing:	1.0
Overlap Locations:	0
Number of Slices:	47
No Phase Wrap:	1.25

ACQ TIMING

Acq Voxel Size:	0.5 X 0.7 X 3.0
Freq:	384
Phase:	256
Freq DIR:	R/L
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 (L)

SCAN TIMING

Flip Angle:	160
TE:	85.0
Number of Echoes:	1
TR:	3000.0
Echo Train Length:	16
Receiver Bandwidth:	50.00

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	No
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OTHERS

3D Geometry Correction:	Off
Anatomical Region:	Knee

SAT

SAT Location S:	Default
SAT Location I:	Default
Fat/Water Saturation:	Fat

USER CVS

User CV6:	None
User CV8:	1.00
User CV12:	1.00
User CV13:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00

Non-Viewable Parameters

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3D Sag MENSA Nerve

Details tab

Protocol notes

3D Sag MENSA Nerve

PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, ZIP512, SSRF, ARC, HS
Pulse Sequence:	Gradient Echo
PSD Name:	mensa_nerve
ARC Phase:	2.00
ARC Slice:	1.50
HyperSense:	1.50

Image Recon

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

SCAN RANGE

FOV:	16.0
Slice Thickness:	0.80
Slices per Slab:	170

Overlap Locations: 0
Number of Slices: 1
No Slab Wrap: 1.13
No Phase Wrap: 1.50
Slice Resolution(%): 80.00

ACQ TIMING

Acq Voxel Size: 0.6 X 0.6 X 1.0
Freq: 256
Phase: 256
Freq DIR: A/P
Phase FOV: 1.00
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective

SCAN TIMING

Flip Angle: 35.0
Number of Echoes: 2
Receiver Bandwidth: 50.00

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Arm

USER CVS

User CV4:	None
User CV6:	1.00
User CV34:	100.00

Non-Viewable Parameters

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3D Ax MENSA Nerve

Details tab

Protocol notes

3D Ax MENSA Nerve

PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, ZIP512, SSRF, ARC, HS
Pulse Sequence:	Gradient Echo
PSD Name:	mensa_nerve
ARC Phase:	2.00
ARC Slice:	1.50
HyperSense:	1.50

Image Recon

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

SCAN RANGE

FOV:	16.0
Slice Thickness:	0.80
Slices per Slab:	170

Overlap Locations: 0
Number of Slices: 1
No Slab Wrap: 1.13
No Phase Wrap: 1.50
Slice Resolution(%): 80.00

ACQ TIMING

Acq Voxel Size: 0.6 X 0.6 X 1.0
Freq: 288
Phase: 288
Freq DIR: A/P
Phase FOV: 1.00
Auto Shim: Auto
Phase Correct: Off
RF Drive Mode: Quadrature
Excitation Mode: Selective

SCAN TIMING

Flip Angle: 35.0
Number of Echoes: 2
Receiver Bandwidth: 50.00

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Arm

USER CVS

User CV4:	None
User CV6:	1.00
User CV34:	100.00

Non-Viewable Parameters

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Itd Sag T2 IDEAL

Details tab

Protocol notes

Itd Sag T2 IDEAL

PATIENT POSITION

Coil Configuration: GE30chAirAA, GE40chGEMPA
Plane: OBLIQUE

IMAGING PARAMETERS

Imaging Mode: 2D
Imaging Options: EDR, TRF, Fast, FR, IDEAL, ARC
Pulse Sequence: FSE-XL
IDEAL: 3
ARC Phase: 2.00

Image Recon

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

SCAN RANGE

FOV: 18.0
Slice Thickness: 2.00
Slice Spacing: Intleave
Overlap Locations: 0
Number of Slices: 20

No Phase Wrap: 1.00

ACQ TIMING

Acq Voxel Size: 0.6 X 0.7 X 2.0
Freq: 320
Phase: 256
Freq DIR: S/I
NEX: 2.00
Phase FOV: 0.60
Auto Shim: Auto
Phase Correct: On
RF Drive Mode: Quadrature
Excitation Mode: Selective
Fat Shift DIR: Normal (S)

SCAN TIMING

Flip Angle: 160
TE: 80.0
Number of Echoes: 1
TR: 3290.0
Echo Train Length: 21
Receiver Bandwidth: 31.25

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: **No**

OTHERS

3D Geometry Correction: Off
Anatomical Region: Knee

USER CVS

User CV6: None
User CV8: 1.00
User CV9: None
User CV12: 1.00
User CV15: None
User CV18: None
User CV21: 1.00
User CV30: 1.00
User CV39: 1.00
TR Min: 2500.0
TR Max: 11000.0

Non-Viewable Parameters

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Sag PD Fat DL

Details tab

Protocol notes

Sag PD Fat DL

PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
Plane:	OBLIQUE

IMAGING PARAMETERS

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

Image Recon

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

SCAN RANGE

FOV:	14.0
Slice Thickness:	3.00
Slice Spacing:	0.3
Overlap Locations:	0
Number of Slices:	34

No Phase Wrap: 2.00

ACQ TIMING

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

SCAN TIMING

Flip Angle: 160
TE: 22.0
Number of Echoes: 1
TR: 3975.0
Echo Train Length: 6
Receiver Bandwidth: 62.50

AIRx

Anatomical Reference: None
Anatomical Plane: None

CONTRAST

Contrast Yes/No: **No**

OTHERS

3D Geometry Correction: Off
Anatomical Region: Knee

SAT

SAT Location S: Default
SAT Location I: Default
Fat/Water Saturation: Fat

USER CVS

User CV6: None
User CV8: 1.00
User CV9: None
User CV12: 1.00
User CV13: None
User CV15: None
User CV18: None
User CV19: 1.00
User CV21: 1.00
User CV30: 1.00
User CV39: 1.00
TR Min: 2500.0
TR Max: 5000.0

--opt contrast--

Details tab

Protocol notes

--opt contrast--

PATIENT POSITION

Coil Configuration:	GE30chAirAA, GE40chGEMPA
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:	40.0
Slice Thickness:	5.0
Slice Spacing:	5.0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	1.0 X 1.6 X 5.0
Freq:	384

Phase: 256
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: 62.50

CONTRAST

Contrast Yes/No: No

OTHERS

Anatomical Region: Knee

GATING/TRIGGER

Auto Trigger Type: Off

USER CVS

User CV1: 1.0
User CV2: 240.00
User CV13: 1.00

User CV15:

None

User CV39:

1.00

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:	GE30chAirAA, 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:	Off

SCAN RANGE

FOV:	18.0
Slice Thickness:	3.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.00

ACQ TIMING

Acq Voxel Size:	0.5 X 0.9 X 3.0
Freq:	384
Phase:	192
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:	111
TE:	20.0
Number of Echoes:	1
TR:	600.0
Echo Train Length:	4
Receiver Bandwidth:	31.25

AIRx

Anatomical Reference:	None
Anatomical Plane:	None

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region: Knee

SAT

SAT Location S: Default

SAT Location I: Default

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 CV30: 1.00

User CV41: None

Non-Viewable Parameters

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