

Neurogram Ankle SIGNA Architect

Technical Instructions

3-Plane Loc

Ax T1 DL

Ax T2 fat DL

SA Ax T2 Flex DL

Cor 3D MENSA Nerve

Ax 3D MENSA Nerve

SA 3D MENSA Nerve

Cor T1 DL

Cor T2 fat DL

--opt contrast--

+C Ax T1 Fat DL

+C Cor T1 Fat DL

+C SA T1 Fat DL

3-Plane Loc

Details tab

Protocol notes

3-Plane Loc

PATIENT POSITION

Coil Configuration:	Neo16chFlexL
Plane:	3-PLANE

IMAGING PARAMETERS

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

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:	5.0
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:	Preset
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 CV2:	240.00

User CV13:

1.00

Non-Viewable Parameters

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Ax T1 DL

Details tab

Protocol notes

Ax T1 DL

PATIENT POSITION

Coil Configuration:	Neo16chFlexL
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:	14.0
Slice Thickness:	3.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.25

ACQ TIMING

Acq Voxel Size:	0.4 X 0.5 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 (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111.0
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 CV9: None

User CV15: None

User CV16: None

User CV18: None

User CV21: None

User CV26: 1.00

User CV41: None

Non-Viewable Parameters

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Ax T2 fat DL

Details tab

Protocol notes

Ax T2 fat DL

PATIENT POSITION

Coil Configuration:	Neo16chFlexL
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:	14.0
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:	0.4 X 0.5 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 (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	111
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

Fat/Water Saturation:	Fat
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USER CVS

User CV6:	None
User CV15:	None
User CV18:	None
User CV19:	1.00
User CV21:	None
User CV30:	1.00
User CV41:	None

Non-Viewable Parameters	ñ
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SA Ax T2 Flex DL

Details tab

Protocol notes

SA Ax T2 Flex DL

PATIENT POSITION

Coil Configuration:

RFT8chFootAnkle

Plane:

OBLIQUE

IMAGING PARAMETERS

Imaging Mode:

2D

Imaging Options:

EDR, TRF, Fast, FR, ARC, Flex

Pulse Sequence:

FSE-XL

IDEAL:

3

ARC Phase:

2.00

Image Recon

Recon DL Strength:

Off

Intensity Correction:

NONE

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

14.0

Slice Thickness:

3.00

Slice Spacing:

1.0

Overlap Locations:

0

Number of Slices:

6

No Phase Wrap: **1.00**

ACQ TIMING

Acq Voxel Size:	0.4 X 0.5 X 3.0
Freq:	352
Phase:	256
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	111
TE:	80.0
Number of Echoes:	1
TR:	3500.0
Echo Train Length:	19
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Foot
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USER CVS

User CV6:	None
User CV15:	None
User CV18:	None
User CV21:	1.00
User CV30:	1.00

Non-Viewable Parameters	ñ
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Cor 3D MENSA Nerve

Details tab

Protocol notes

Cor 3D MENSA Nerve

PATIENT POSITION

Coil Configuration:GE20chFlexM

Plane:CORONAL

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:1.30

HyperSense:1.50

Image Recon

Recon DL Strength:Medium

Intensity Correction:SCENIC

Intensity Filter:None

Save Original:Off

SCAN RANGE

FOV:14.0

Slice Thickness:0.80

Slices per Slab:170

Overlap Locations:	0
No Slab Wrap:	1.03
No Phase Wrap:	1.50
Slice Resolution(%):	80.00

ACQ TIMING

Acq Voxel Size:	0.5 X 0.5 X 1.0
Freq:	256
Phase:	256
Freq DIR:	S/I
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

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

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Arm
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USER CVS

User CV4:	None
User CV6:	1.00
User CV34:	100.00
User CV41:	None

Non-Viewable Parameters

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Ax 3D MENSA Nerve

Details tab

Protocol notes

Ax 3D MENSA Nerve

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, SSRF, ARC, HS
Pulse Sequence:	Gradient Echo
PSD Name:	mensa_nerve
ARC Phase:	2.00
ARC Slice:	1.30
HyperSense:	1.50

Image Recon

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

SCAN RANGE

FOV:	10.0
Slice Thickness:	1.40
Slices per Slab:	100

Overlap Locations:	0
Number of Slices:	1
No Slab Wrap:	1.03
No Phase Wrap:	1.50
Slice Resolution(%):	100.00

ACQ TIMING

Acq Voxel Size:	0.3 X 0.3 X 1.4
Freq:	288
Phase:	288
Freq DIR:	R/L
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

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

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Arm
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USER CVS

User CV4:	None
User CV6:	1.00
User CV34:	100.00
User CV41:	None

Non-Viewable Parameters

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SA 3D MENSA Nerve

Details tab

Protocol notes

SA 3D MENSA Nerve

PATIENT POSITION

Coil Configuration:	GE20chFlexM
Plane:	OBLIQUE

IMAGING PARAMETERS

Imaging Mode:	3D
Imaging Options:	EDR, Fast, SSRF, ARC, HS
Pulse Sequence:	Gradient Echo
PSD Name:	mensa_nerve
ARC Phase:	2.00
ARC Slice:	1.30
HyperSense:	1.50

Image Recon

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

SCAN RANGE

FOV:	10.0
Slice Thickness:	1.40
Slices per Slab:	100

Overlap Locations:	0
Number of Slices:	1
No Slab Wrap:	1.03
No Phase Wrap:	1.50
Slice Resolution(%):	100.00

ACQ TIMING

Acq Voxel Size:	0.3 X 0.3 X 1.4
Freq:	288
Phase:	288
Freq DIR:	R/L
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	Off
RF Drive Mode:	Preset
Excitation Mode:	Selective

SCAN TIMING

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

CONTRAST

Contrast Yes/No:	No
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OTHERS

Anatomical Region:	Arm
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USER CVS

User CV4:	None
User CV6:	1.00
User CV34:	100.00
User CV41:	None

Non-Viewable Parameters

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Cor T1 DL

Details tab

Protocol notes

Cor T1 DL

PATIENT POSITION

Coil Configuration:	Neo16chFlexL
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:	16.0
Slice Thickness:	3.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.25

ACQ TIMING

Acq Voxel Size:	0.4 X 0.6 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 (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal

SCAN TIMING

Flip Angle:	111.0
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 CV9: None

User CV15: None

User CV16: None

User CV18: None

User CV21: None

User CV26: 1.00

User CV41: None

Non-Viewable Parameters

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Cor T2 fat DL

Details tab

Protocol notes

Cor T2 fat DL

PATIENT POSITION

Coil Configuration:	Neo16chFlexL
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:	16.0
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:	0.4 X 0.6 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 (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal (L)

SCAN TIMING

Flip Angle:	111
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

Fat/Water Saturation:	Fat
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USER CVS

User CV6:	None
User CV15:	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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--opt contrast--

Details tab

Protocol notes

--opt contrast--

PATIENT POSITION

Coil Configuration:	Neo16chFlexL
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:	Preset
Excitation Mode:	Selective

SCAN TIMING

TE:	80.0
TR:	Minimum
Receiver Bandwidth:	62.50

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:	1.0
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:	Neo16chFlexL
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 (CP)
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 ñ

+C Cor T1 Fat DL

Details tab

Protocol notes

+C Cor T1 Fat DL

PATIENT POSITION

Coil Configuration:	Neo16chFlexL
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:	16.0
Slice Thickness:	3.00
Slice Spacing:	1.0
Overlap Locations:	0
No Phase Wrap:	1.25

ACQ TIMING

Acq Voxel Size:	0.4 X 0.6 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 (CP)
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:	50.00

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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+C SA T1 Fat DL

Details tab

Protocol notes

+C SA 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:

NONE

Intensity Filter:

None

Save Original:

Off

SCAN RANGE

FOV:

14.0

Slice Thickness:

3.00

Slice Spacing:

1.0

Overlap Locations:

0

Number of Slices:

6

No Phase Wrap:

1.50

ACQ TIMING

Acq Voxel Size:	0.4 X 0.6 X 3.0
Freq:	320
Phase:	224
Freq DIR:	S/I
NEX:	1.00
Phase FOV:	1.00
Auto Shim:	Auto
Phase Correct:	On
RF Drive Mode:	Quadrature (CP)
Excitation Mode:	Selective
Fat Shift DIR:	Normal (S)

SCAN TIMING

Flip Angle:	111
TE:	18.0
Number of Echoes:	1
TR:	800.0
Echo Train Length:	4
Receiver Bandwidth:	41.67

CONTRAST

Contrast Yes/No:	Yes
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OTHERS

Anatomical Region:	Foot
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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:	1.00
User CV30:	1.00

Non-Viewable Parameters

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