

SERIES 1. 3 Plane Localizer

| Patient (RF) | | Imaging | | Acquisition Timing | |
|------------------------------|----------|-----------------|---------------|------------------------|--------|
| Coil | 8HRBRAIN | Scan plane | 3-PLANE | Frequency | 256 |
| Scan Timing | | Mode | 2D | Phase | 128 |
| | | Pulse sequence | Gradient Echo | NEX | 1.00 |
| | | Imaging Options | Seq, Fast | phase field of view | 1.00 |
| Additional Parameters | | | | phase correct | No |
| | | | | swap phase & frequency | Unswap |
| | | | | autoshim | Auto |
| Range / Prescription | | | | | |
| | | | | field of view | 26.0 |
| | | | | slice thickness | 5.0 |
| | | | | slice spacing | 5.0 |

SERIES 2. Sag IR-SPGR

| Patient (RF) | | Imaging | | Acquisition Timing | |
|-----------------------------|----------|------------------------------|----------------|---------------------|------|
| Coil | 8HRBRAIN | Scan plane | SAGITTAL | Frequency | 256 |
| Scan Timing | | Mode | 3D | Phase | 256 |
| Number of echoes | 1 | Pulse sequence | SPGR | NEX | 1.00 |
| TE | Min Full | Imaging Options | EDR, Fast, IrP | phase field of view | 1.00 |
| TI | 400 | Additional Parameters | | | |
| Flip angle | 11 | phase correct | | | |
| BW1 | 31.25 | swap phase & frequency | | | |
| | | | | autoshim | On |
| Range / Prescription | | | | | |
| | | | | slices per slab | 200 |
| | | | | field of view | 26.0 |
| | | | | slice thickness | 1.2 |
| | | | | number of slices | 1 |

**SERIES 3. Calibration Scan**

| Patient (RF) | | Imaging | | Acquisition Timing | |
|-----------------------------|----------|----------------|---------------|------------------------|-------------|
| Coil | 8HRBRAIN | Scan plane | AXIAL | phase correct | No |
| Scan Timing | | Mode | 2D | swap phase & frequency | R/L |
| Number of echoes | 1 | Pulse sequence | Gradient Echo | autoshim | Auto |
| | | | | Imaging Options | Fast, Calib |
| Range / Prescription | | | | | |
| | | | | field of view | 30.0 |
| | | | | slice thickness | 5.0 |
| | | | | slice spacing | 0.0 |
| | | | | number of slices | 60 |

SERIES 4. Accelerated Sag IR-SPGR**Patient (RF)**

Coil 8HRBRAIN

Imaging

Scan plane SAGITTAL

Acquisition Timing

Frequency 256

Scan Timing

Number of echoes 1

Mode 3D

Phase 256

TE Min Full

Pulse sequence SPGR

NEX 1.00

TI 400

Imaging Options EDR, Fast, IrP, Asset

phase field of view 1.00

Flip angle 11

Additional Parameters

phase correct No

BW1 31.25

swap phase & frequency S/I

autoshim On

Range / Prescription

slices per slab 200

field of view 27.0

slice thickness 1.2

number of slices 1

**SERIES 5. Axial FLAIR****Patient (RF)**

Coil 8HRBRAIN

Imaging

Scan plane AXIAL

Acquisition Timing

Frequency 256

Scan Timing

TE 147.0

Mode 2D

Phase 256

TR 11000.0

Pulse sequence T2flair

NEX 1.00

TI 2250

Imaging Options Fast

phase correct No

BW1 31.25

Additional Parameters

swap phase & frequency A/P

autoshim Auto

Range / Prescription

field of view 22.0

slice thickness 5.0

slice spacing 0.0

number of slices 42

**SERIES 6. Axial T2 Star****Patient (RF)**

Coil 8HRBRAIN

Imaging

Scan plane AXIAL

Acquisition Timing

Frequency 256

Scan Timing

Number of echoes 1

Mode 2D

Phase 192

TE 20.0

Pulse sequence Gradient Echo

NEX 1.00

TR 650.0

Imaging Options FC, EDR

phase field of view 1.00

Flip angle 20

Additional Parameters

phase correct No

BW1 25.00

swap phase & frequency A/P

autoshim Auto

Range / Prescription

field of view 20.0

slice thickness 4.0

slice spacing 0.0

number of slices 50

SERIES 7. Axial DTI

| Patient (RF) | | Imaging | | Acquisition Timing | |
|---------------------|----------|------------------------------|------------------|-----------------------------|------|
| Coil | 8HRBRAIN | Scan plane | AXIAL | Frequency | 128 |
| Scan Timing | | Mode | 2D | Phase | 128 |
| TE | Minimum | Pulse sequence | Spin Echo | NEX | 1.00 |
| TR | 9050.0 | Imaging Options | EPI, DIFF, Asset | phase field of view | 0.66 |
| | | Additional Parameters | | phase correct | Yes |
| | | | | swap phase & frequency | R/L |
| | | | | autoshim | Auto |
| | | | | Range / Prescription | |
| | | | | field of view | 35.0 |
| | | | | slice thickness | 2.7 |
| | | | | slice spacing | 0.0 |
| | | | | number of slices | 59 |

