| \\USER\ _ \HighRes_MP2RAGE\t1_mp2rage_sag_p3_0.5mm_highres |
|---|
| TA: 16:14 PM: FIX Voxel size: 0.5×0.5×0.5 mmPAT: 2 Rel. SNR: 1.00 : tfl |

### Properties

| | |
|---|---|
| Prio recon | Off |
| Load images to viewer | On |
| Inline movie | Off |
| Auto store images | On |
| Load images to stamp segments | On |
| Load images to graphic segments | Off |
| Auto open inline display | Off |
| Auto close inline display | Off |
| Start measurement without further preparation | Off |
| Wait for user to start | Off |
| Start measurements | Single measurement |

### Routine

| | |
|---|---|
| Slab group | 1 |
| Slabs | 1 |
| Dist. factor | 50 % |
| Position | Isocenter |
| Orientation | T > S34.7 > C0.1 |
| Phase enc. dir. | A >> P |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| Slice oversampling | 0.0 % |
| Slices per slab | 72 |
| FoV read | 161 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.50 mm |
| TR | 6000.0 ms |
| TE | 4.13 ms |
| Averages | 1 |
| Concatenations | 1 |
| Filter | None |
| Coil elements | A32 |

### Contrast - Common

| | |
|---|---|
| TR | 6000.0 ms |
| TE | 4.13 ms |
| Magn. preparation | Non-sel. IR |
| TI 1 | 900 ms |
| TI 2 | 2900 ms |
| Flip angle 1 | 6.0 deg |
| Flip angle 2 | 7.0 deg |
| Fat suppr. | None |
| Water suppr. | None |

### Contrast - Dynamic

| | |
|---|---|
| Averages | 1 |
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 3 |
| Pause after meas. 1 | 0.0 s |
| Pause after meas. 2 | 0.0 s |
| Multiple series | Each measurement |

### Resolution - Common

| | |
|---|---|
| FoV read | 161 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.50 mm |
| Base resolution | 320 |
| Phase resolution | 100 % |

### Resolution - Common

| | |
|---|---|
| Slice resolution | 100 % |
| Phase partial Fourier | Off |
| Slice partial Fourier | 6/8 |
| Interpolation | Off |

### Resolution - iPAT

| | |
|---|---|
| PAT mode | GRAPPA |
| Accel. factor PE | 2 |
| Ref. lines PE | 24 |
| Accel. factor 3D | 1 |
| Reference scan mode | Integrated |

### Resolution - Filter Image

| | |
|---|---|
| Image Filter | Off |
| Distortion Corr. | Off |
| Prescan Normalize | Off |
| Normalize | Off |
| B1 filter | Off |

### Resolution - Filter Rawdata

| | |
|---|---|
| Raw filter | Off |
| Elliptical filter | Off |

### Geometry - Common

| | |
|---|---|
| Slab group | 1 |
| Slabs | 1 |
| Dist. factor | 50 % |
| Position | Isocenter |
| Orientation | T > S34.7 > C0.1 |
| Phase enc. dir. | A >> P |
| Slice oversampling | 0.0 % |
| Slices per slab | 72 |
| FoV read | 161 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.50 mm |
| TR | 6000.0 ms |
| Multi-slice mode | Single shot |
| Series | Interleaved |
| Concatenations | 1 |

### Geometry - AutoAlign

| | |
|---|---|
| Slab group | 1 |
| Position | Isocenter |
| Orientation | T > S34.7 > C0.1 |
| Phase enc. dir. | A >> P |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 0.00 deg |
| Initial Orientation | T > S |
| T > S | 34.7 |
| > C | 0.1 |

### Geometry - Navigator

### System - Miscellaneous

| | |
|---|---|
| Positioning mode | FIX |
| Table position | H |

### System - Miscellaneous

| | |
|---|---|
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Adaptive Combine |
| Save uncombined | Off |
| Matrix Optimization | Off |
| AutoAlign | --- |
| Coil Select Mode | Default |

### System - Adjustments

| | |
|---|---|
| B0 Shim mode | Standard |
| B1 Shim mode | TrueForm |
| Confirm freq. adjustment | Off |
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

### System - Adjust Volume

| | |
|---|---|
| Position | Isocenter |
| Orientation | T > S34.7 > C0.1 |
| Rotation | 0.00 deg |
| A >> P | 161 mm |
| R >> L | 161 mm |
| F >> H | 36 mm |
| Reset | Off |

### System - Tx/Rx

| | |
|---|---|
| Frequency 1H | 297.203686 MHz |
| Correction factor | 1 |
| Gain | High |
| Img. Scale Cor. | 1.000 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

### Physio - Signal1

| | |
|---|---|
| 1st Signal/Mode | None |
| TR | 6000.0 ms |
| Concatenations | 1 |

### Physio - Cardiac

| | |
|---|---|
| Magn. preparation | Non-sel. IR |
| TI 1 | 900 ms |
| TI 2 | 2900 ms |
| Fat suppr. | None |
| Dark blood | Off |
| FoV read | 161 mm |
| FoV phase | 100.0 % |
| Phase resolution | 100 % |

### Physio - PACE

| | |
|---|---|
| Resp. control | Off |
| Concatenations | 1 |

### Inline - Common

| | |
|---|---|
| Subtract | Off |
| Measurements | 3 |
| StdDev | Off |
| Save original images | On |

### Inline - MIP

| | |
|---|---|
| MIP-Sag | Off |
| MIP-Cor | Off |
| MIP-Tra | Off |
| MIP-Time | Off |
| Save original images | On |

### Inline - Composing

| | |
|---|---|
| Distortion Corr. | Off |

### Sequence - Part 1

| | |
|---|---|
| Introduction | On |
| Dimension | 3D |
| Elliptical scanning | Off |
| Reordering | Linear rot. |
| Asymmetric echo | Off |
| Flow comp. | No |
| Multi-slice mode | Single shot |
| Echo spacing | 8.5 ms |
| Bandwidth | 190 Hz/Px |

### Sequence - Part 2

| | |
|---|---|
| RF pulse type | Fast |
| Gradient mode | Fast |
| Excitation | Slab-sel. |
| RF spoiling | On |
| Incr. Gradient spoiling | Off |
| Turbo factor | 319 |

### Sequence - Nuclei

| | |
|---|---|
| TX/RX Nucleus | 1H |
| TX/RX delta frequency | 0 Hz |
| TX Nucleus | None |
| TX delta frequency | 0 Hz |
| Coil elements | A32 |

### Sequence - Assistant

| | |
|---|---|
| Mode | TR |
| Max. TR | 4000.0 ms |