# SIEMENS MAGNETOM Verio syngo MR B17

\\USER\FORSCHUNG\Koerte\Asperger_Child\t1_mprage_sag

TA: 3:41     PAT: 2     Voxel size: 1.0×1.0×1.0 mm     Rel. SNR: 1.00     SIEMENS: tfl

## Properties

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

## Routine

| | |
|---|---|
| Slab group 1 | |
|   Slabs | 1 |
|   Dist. factor | 50 % |
|   Position | L1.8 P4.6 H22.5 |
|   Orientation | Sagittal |
|   Phase enc. dir. | A >> P |
|   Rotation | 0.00 deg |
| Phase oversampling | 0 % |
| Slice oversampling | 30.0 % |
| Slices per slab | 160 |
| FoV read | 256 mm |
| FoV phase | 93.8 % |
| Slice thickness | 1.00 mm |
| TR | 1800 ms |
| TE | 3.06 ms |
| Averages | 1 |
| Concatenations | 1 |
| Filter | Distortion Corr.(2D), Prescan Normalize |
| Coil elements | HEA;HEP;NE2 |

## Contrast

| | |
|---|---|
| Magn. preparation | Non-sel. IR |
| TI | 900 ms |
| Flip angle | 9 deg |
| Fat suppr. | None |
| Water suppr. | None |
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 1 |
| Multiple series | Each measurement |

## Resolution

| | |
|---|---|
| Base resolution | 256 |
| Phase resolution | 100 % |
| Slice resolution | 100 % |
| Phase partial Fourier | 7/8 |
| Slice partial Fourier | Off |
| Interpolation | Off |
| PAT mode | GRAPPA |
| Accel. factor PE | 2 |
| Ref. lines PE | 36 |
| Accel. factor 3D | 1 |
| Matrix Coil Mode | Auto (Triple) |
| Reference scan mode | Integrated |
| Image Filter | Off |

| | |
|---|---|
| Distortion Corr. | On |
| Mode | 2D |
| Unfiltered images | Off |
| Unfiltered images | Off |
| Prescan Normalize | On |
| Normalize | Off |
| B1 filter | Off |
| Raw filter | Off |
| Elliptical filter | Off |

## Geometry

| | |
|---|---|
| Multi-slice mode | Single shot |
| Series | Interleaved |
| Set-n-Go Protocol | Off |
| Table position | H |
| Table position | 23 mm |
| Inline Composing | Off |

## System

| | |
|---|---|
| Body | Off |
| NE2 | On |
| HEP | On |
| HEA | On |
| SP4 | Off |
| SP2 | Off |
| SP8 | Off |
| SP6 | Off |
| SP3 | Off |
| SP1 | Off |
| SP7 | Off |
| SP5 | Off |
| Positioning mode | ISO |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Save uncombined | Off |
| Coil Combine Mode | Sum of Squares |
| AutoAlign | --- |
| Auto Coil Select | Default |
| Shim mode | Standard |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Silicone | Off |
| ? Ref. amplitude 1H | 0.000 V |
| Adjustment Tolerance | Auto |
| Adjust volume | |
|   Position | L1.8 P4.6 H22.5 |
|   Orientation | Sagittal |
|   Rotation | 0.00 deg |
|   F >> H | 256 mm |
|   A >> P | 240 mm |
|   R >> L | 160 mm |

## Physio

| | |
|---|---|
| 1st Signal/Mode | None |
| Dark blood | Off |
| Resp. control | Off |

## Inline

| | |
|---|---|
| Subtract | Off |
| Std-Dev-Sag | Off |
| Std-Dev-Cor | Off |

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

Sequence

| Introduction | On |
|---|---|
| Dimension | 3D |
| Elliptical scanning | Off |
| Asymmetric echo | Off |
| Bandwidth | 230 Hz/Px |
| Flow comp. | No |
| Echo spacing | 7.3 ms |
| RF pulse type | Fast |
| Gradient mode | Normal |
| Excitation | Non-sel. |
| RF spoiling | On |

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```
\\USER
      │ FORSCHUNG
      │       │ Koerte
      │       │      │ Asperger_Child
      │       │      │      │ t1_mprage_sag
```