# SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\RESEARCH\DR TURNER\MTA_PILOT\MTA_T1

TA: 8:06 PAT: Off Voxel size: 1.0×1.0×1.2 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 | Isocenter |
| Orientation | Sagittal |
| Phase enc. dir. | A >> P |
| Rotation | 0.00 deg |
| Phase oversampling | 0 % |
| Slice oversampling | 0.0 % |
| Slices per slab | 160 |
| FoV read | 256 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.20 mm |
| TR | 2170 ms |
| TE | 4.33 ms |
| Averages | 1 |
| Concatenations | 1 |
| Filter | None |
| Coil elements | HEA;HEP |

## Contrast

| | |
|---|---|
| Magn. preparation | Non-sel. IR |
| TI | 1100 ms |
| Flip angle | 7 deg |
| Fat suppr. | Water excit. fast |
| 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 | None |
| Matrix Coil Mode | Auto (CP) |
| Image Filter | Off |
| Distortion Corr. | Off |
| Prescan Normalize | Off |
| Normalize | Off |
| B1 filter | Off |
| Raw filter | Off |
| Elliptical filter | Off |

## Geometry

| | |
|---|---|
| Multi-slice mode | Single shot |
| Series | Interleaved |

## System

| | |
|---|---|
| Body | Off |
| HEP | On |
| HEA | On |
| SP4 | Off |
| SP2 | Off |
| SP8 | Off |
| SP6 | Off |
| SP3 | Off |
| SP1 | Off |
| SP7 | Off |
| SP5 | Off |
| Positioning mode | REF |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | L >> R |
| Coronal | P >> A |
| Transversal | F >> H |
| Save uncombined | Off |
| Coil Combine Mode | Adaptive Combine |
| 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 | Isocenter |
| Orientation | Sagittal |
| Rotation | 0.00 deg |
| F >> H | 256 mm |
| A >> P | 256 mm |
| R >> L | 192 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 | Off |
| Dimension | 3D |
| Elliptical scanning | Off |
| Asymmetric echo | Off |

| | |
|---|---|
| Bandwidth | 140 Hz/Px |
| Flow comp. | No |
| Echo spacing | 10.9 ms |
| RF pulse type | Fast |
| Gradient mode | Fast |
| Excitation | Non-sel. |
| RF spoiling | On |

# SIEMENS MAGNETOM TrioTim syngo MR B17

\\USER\RESEARCH\DR TURNER\MTA_PILOT\MTA_REST_P_A

TA: 6:04 PAT: Off Voxel size: 3.4×3.4×4.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_bold

## 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 | On |
| Start measurements | single |

## Routine

| | |
|---|---|
| Slice group 1 | |
| Slices | 32 |
| Dist. factor | 25 % |
| Position | L0.0 A30.0 H0.0 |
| Orientation | Transversal |
| Phase enc. dir. | P >> A |
| Rotation | 180.00 deg |
| Phase oversampling | 0 % |
| FoV read | 220 mm |
| FoV phase | 100.0 % |
| Slice thickness | 4.0 mm |
| TR | 2000 ms |
| TE | 30 ms |
| Averages | 1 |
| Concatenations | 1 |
| Filter | None |
| Coil elements | HEA;HEP |

## Contrast

| | |
|---|---|
| MTC | Off |
| Flip angle | 77 deg |
| Fat suppr. | Fat sat. |
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 180 |
| Delay in TR | 0 ms |
| Multiple series | Off |

## Resolution

| | |
|---|---|
| Base resolution | 64 |
| Phase resolution | 100 % |
| Phase partial Fourier | Off |
| Interpolation | Off |
| PAT mode | None |
| Matrix Coil Mode | Triple |
| Distortion Corr. | Off |
| Prescan Normalize | Off |
| Raw filter | On |
| Elliptical filter | Off |
| Hamming | Off |

## Geometry

| | |
|---|---|
| Multi-slice mode | Interleaved |
| Series | Ascending |
| Special sat. | None |

## System

| | |
|---|---|
| Body | Off |
| HEA | On |
| HEP | On |
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | L >> R |
| Coronal | P >> A |
| Transversal | F >> H |
| Coil Combine Mode | Adaptive Combine |
| 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 | L0.0 A30.0 H0.0 |
| Orientation | Transversal |
| Rotation | 180.00 deg |
| R >> L | 220 mm |
| A >> P | 220 mm |
| F >> H | 159 mm |

## Physio

| | |
|---|---|
| 1st Signal/Mode | None |

## BOLD

| | |
|---|---|
| GLM Statistics | Off |
| Dynamic t-maps | Off |
| Starting ignore meas | 0 |
| Ignore after transition | 0 |
| Model transition states | On |
| Temp. highpass filter | On |
| Threshold | 4.00 |
| Paradigm size | 3 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Active |
| Motion correction | Off |
| Spatial filter | Off |

## Sequence

| | |
|---|---|
| Introduction | Off |
| Bandwidth | 2442 Hz/Px |
| Free echo spacing | Off |
| Echo spacing | 0.47 ms |
| EPI factor | 64 |
| RF pulse type | Normal |
| Gradient mode | Fast |