# SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\UserProtocols\Renzo\Whole_slice_template\FA4_VASO_122_44slices_LINPAR

TA: 35:18 PAT: 6 Voxel size: 1.0×1.0×1.3 mm Rel. SNR: 1.00 UNKNOWN:

## 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 | L0.0 A32.1 H31.2 |
| Orientation | T > C-2.1 |
| Phase enc. dir. | P >> A |
| Rotation | 180.00 deg |
| Phase oversampling | 0 % |
| Slice oversampling | 18.2 % |
| Slices per slab | 44 |
| FoV read | 165.0 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.28 mm |
| TR | 2345.40 ms |
| TE | 32 ms |
| Averages | 1 |
| Concatenations | 1 |
| Filter | None |
| Coil elements | A32 |

## Contrast

| | |
|---|---|
| Perfusion mode | SS-SI VASO |
| TI2 | 700 ms |
| TI1 | 50 ms |
| TI1s | 50 ms |
| Flip angle | 22 deg |
| Fat suppr. | Fat sat. |
| Fat sat. mode | Weak |
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 903 |
| Delay in TR | 0 ms |
| Multiple series | Off |
| Perfusion mode | PICORE Q2T |
| Inversion time 1 | 50 ms |
| Saturation stop time | 50 ms |
| Inversion time 2 | 700.0 ms |
| Flow limit | 100 cm/s |

## Resolution

| | |
|---|---|
| Base resolution | 162 |
| Phase resolution | 100 % |
| Slice resolution | 100 % |
| Phase partial Fourier | Off |
| Slice partial Fourier | Off |
| Interpolation | Off |
| PAT mode | GRAPPA |
| Accel. factor PE | 3 |
| Ref. lines PE | 54 |
| Accel. factor 3D | 2 |
| Ref. lines 3D | 52 |
| Reference scan mode | Separate |
| Prescan Normalize | Off |
| Raw filter | Off |
| Elliptical filter | Off |
| Hamming | Off |

## Geometry

| | |
|---|---|
| Multi-slice mode | Interleaved |
| Series | Ascending |
| Special sat. | Parallel F |
| Gap | 25.0 mm |
| Thickness | 100 mm |
| Table position | H |
| Table position | 0 mm |
| Inline Composing | Off |

## System

| | |
|---|---|
| V32 | Off |
| A32 | On |
| Positioning mode | FIX |
| 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 | 220.000 V |
| Adjustment Tolerance | Auto |
| Adjust volume | |
| ! Position | L0.0 A32.8 H28.7 |
| ! Orientation | T > C-5.7 |
| ! Rotation | 0.00 deg |
| ! R >> L | 142 mm |
| ! A >> P | 172 mm |
| ! F >> H | 73 mm |

## Physio

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

## BOLD

| | |
|---|---|
| Motion correction | Off |
| Spatial filter | Off |

## Sequence

| | |
|---|---|
| Introduction | On |
| Dimension | 3D |
| Reordering | Linear |
| Contrasts | 1 |
| Bandwidth | 1144 Hz/Px |
| Free echo spacing | Off |
| Echo spacing | 0.98 ms |
| EPI factor | 162 |

| | |
|---|---|
| RF pulse type | Normal |
| Gradient mode | Fast |
| Excitation | Slab-sel. |
| RF spoiling | On |
| Ampl | 100 |
| BWDTH | 150 3.1kHz |
| ph.skip 4 Robert (the one) | 30 |
| use Ernst angle | Off |
| Maxwell Correction | Off |
| log physio files | Off |
| FFT scale | 1.00 |
| dummy prepscan time | 3 s |
| z shim | 0.00 mT/m*ms |
| RF duration | 2000 us |
| RF BWTP | 25.0 |
| Renzo: Delta TI | 63 ms |
| EFFECTIVE TR | 60980 ms |
| PatPartitions | 26 |
| EPI phase correction | local |
| PAT refscan mode | segm LIN->PAR |
| use CAIPI | On |
| CAIPI shift kz | 0 |
| CAIPI shift ky | 1 |