# SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\Feinberglab\Tanja\GRASE_VASO_FOCI_20170831\BP_grase_clean_VASO_V08

TA: 0:00 PAT: Off Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: BP_grase_clean_VASO_V08

## 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 | 0 % |
| Position | L3.8 P36.0 F12.8 |
| Orientation | Transversal |
| Phase enc. dir. | A >> P |
| Rotation | 0 deg |
| Phase oversampling | 0 % |
| Slice oversampling | 0.0 % |
| Slices per slab | 8 |
| FoV read | 130 mm |
| FoV phase | 30.9 % |
| Slice thickness | 0.8 mm |
| TR | 3000 ms |
| TE | 59 ms |
| Averages | 1 |
| Concatenations | 1 |
| Filter | None |
| Coil elements | B4;M2,3;T1 |

## Contrast

| | |
|---|---|
| Magn. preparation | Non-sel. IR |
| TI 1 | 1030 ms |
| TI 2 | 2530 ms |
| Flip angle | 180 deg |
| Fat suppr. | Fat sat. |
| Fat sat. mode | Strong |
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 2 |
| Pause after meas. 1 | 0 s |
| Multiple series | Off |

## Resolution

| | |
|---|---|
| Base resolution | 162 |
| Phase resolution | 100 % |
| Slice resolution | 100 % |
| Slice partial Fourier | 5/8 |
| Interpolation | Off |
| PAT mode | None |
| Prescan Normalize | Off |
| Raw filter | Off |

## Geometry

| | |
|---|---|
| Series | Interleaved |
| Sat. region 1 | |
| Thickness | 40 mm |
| Position | L5.4 P36.0 H20.9 |
| Orientation | Coronal |
| Special sat. | None |
| Table position | H |
| Table position | 0 mm |
| Inline Composing | Off |

## System

| | |
|---|---|
| T1 | On |
| M2 | On |
| B4 | On |
| M3 | On |
| V32 | Off |
| Positioning mode | REF |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Save uncombined | Off |
| Coil Combine Mode | Adaptive Combine |
| AutoAlign | --- |
| Auto Coil Select | Default |
| Shim mode | Standard |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Silicone | Off |
| ! Ref. amplitude 1H | 225.000 V |
| Adjustment Tolerance | Auto |
| Adjust volume | |
| Position | L3.8 P36.0 F12.8 |
| Orientation | Transversal |
| Rotation | 0.00 deg |
| R >> L | 130 mm |
| A >> P | 41 mm |
| F >> H | 7 mm |

## Physio

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

## Composing

## Sequence

| | |
|---|---|
| Introduction | Off |
| Dimension | 3D |
| Reordering | Centric |
| Contrasts | 2 |
| Bandwidth | 1144 Hz/Px |
| Turbo factor | 5 |
| EPI factor | 50 |
| RF pulse type | Normal |
| Gradient mode | Fast |
| Phase skip | 0 |
| Ampl | 1 |
| BWDTH | 1 3.1kHz |
| thickness | 0 |
| flip angle excit | 90 |
| phase encoding | ON |
| Maxwell compensation | Off |
| ICE program | Mosaic |
| Phase skip | 0 |

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TA: 3.0 s PAT: Off Voxel size: 1.0×1.0×1.0 mm Rel. SNR: 1.00 USER: BP_grase_clean_VASO_V08_170912

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 | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | A >> P |
| Rotation | 0.00 deg |
| Phase oversampling | 0 % |
| Slice oversampling | 0.0 % |
| Slices per slab | 8 |
| FoV read | 130 mm |
| FoV phase | 30.8 % |
| Slice thickness | 1.0 mm |
| TR | 3000 ms |
| TE | 52.0 ms |
| Averages | 1 |
| Concatenations | 1 |
| Filter | None |
| Coil elements | B4;M2,3;T1 |

Contrast

| | |
|---|---|
| Magn. preparation | Non-sel. IR |
| TI 1 | 1400.0 ms |
| TI 2 | 2600 ms |
| Flip angle | 180 deg |
| Fat suppr. | Fat sat. |
| Fat sat. mode | Strong |
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 1 |
| Multiple series | Off |

Resolution

| | |
|---|---|
| Base resolution | 130 |
| Phase resolution | 100 % |
| Slice resolution | 100 % |
| Slice partial Fourier | 5/8 |
| Interpolation | Off |
| PAT mode | None |
| Prescan Normalize | Off |
| Raw filter | Off |

Geometry

| | |
|---|---|
| Series | Interleaved |
| Sat. region 1 | |
| Thickness | 40 mm |
| Position | Isocenter |
| Orientation | Coronal |
| Special sat. | None |
| Table position | H |
| Table position | 0 mm |
| Inline Composing | Off |

System

| | |
|---|---|
| T1 | On |
| M2 | On |
| B4 | On |
| M3 | On |
| V32 | Off |
| Positioning mode | REF |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Save uncombined | Off |
| Coil Combine Mode | Adaptive Combine |
| 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 | Isocenter |
| Orientation | Transversal |
| Rotation | 0.00 deg |
| R >> L | 130 mm |
| A >> P | 40 mm |
| F >> H | 8 mm |

Physio

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

Composing

Sequence

| | |
|---|---|
| Introduction | Off |
| Dimension | 3D |
| Reordering | Centric |
| Contrasts | 2 |
| Bandwidth | 1040 Hz/Px |
| Echo spacing | 1.1 ms |
| Turbo factor | 5 |
| EPI factor | 40 |
| RF pulse type | Normal |
| Gradient mode | Fast |
| Phase skip | 30 |
| Ampl | 100 |
| BWDTH | 300 3.1kHz |
| thickness | 100 |
| flip angle excit | 90 |
| phase encoding | ON |
| Maxwell compensation | Off |
| ICE program | single |
| Phase skip | 30 |

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