| \\USE                     | R\Feinberglab\Tanja\test\ | BP_grase_clean_VASO_V10    | _trigger                  |
|---------------------------|---------------------------|----------------------------|---------------------------|
| ΓA: 3.0 s PAT: Off Vox    | el size: 7.8×7.8×3.0 mm   | Rel. SNR: 1.00 USER: BP_gr | ase_clean_VASO_V10_trigge |
| Properties                |                           | Orientation                | Transversal               |
| Prio Recon                | Off                       | — Special sat.             | None                      |
| Before measurement        |                           | Table position             | Н                         |
| After measurement         |                           | Table position             | 0 mm                      |
| Load to viewer            | On                        | Inline Composing           | Off                       |
| Inline movie              | Off                       | System                     |                           |
| Auto store images         | On                        |                            | 0.5                       |
| Load to stamp segments    | Off                       | T1                         | On<br>Off                 |
| Load images to graphic    | Off                       | M2                         | Off                       |
| segments                  |                           | B4                         | Off                       |
| Auto open inline display  | Off                       | M3                         | Off                       |
| Start measurement without | On                        | V32                        | Off                       |
| further preparation       |                           | Positioning mode           | REF                       |
| Wait for user to start    | Off                       | MSMA                       | S - C - T                 |
| Start measurements        | single                    | Sagittal                   | R >> L                    |
| B (                       | <b>G</b>                  | Coronal                    | A >> P                    |
| Routine                   |                           | — Transversal              | F >> H                    |
| Slab group 1              |                           | Save uncombined            | Off                       |
| Slabs                     | 1                         | Coil Combine Mode          | Adaptive Combine          |
| Dist. factor              | 0 %                       | AutoAlign                  |                           |
| Position                  | Isocenter                 | Auto Coil Select           | Default                   |
| Orientation               | Transversal               |                            |                           |
| Phase enc. dir.           | A >> P                    | Shim mode                  | Standard                  |
| Rotation                  | 0.00 deg                  | Adjust with body coil      | Off                       |
| Phase oversampling        | 0 %                       | Confirm freq. adjustment   | Off                       |
| Slice oversampling        | 0.0 %                     | Assume Silicone            | Off                       |
| Slices per slab           | 8                         | ? Ref. amplitude 1H        | 0.000 V                   |
| FoV read                  | 500 mm                    | Adjustment Tolerance       | Auto                      |
| FoV phase                 | 100.0 %                   | Adjust volume              |                           |
| Slice thickness           | 3.0 mm                    | Position                   | Isocenter                 |
| TR                        | 3000 ms                   | Orientation                | Transversal               |
| TE                        | 42.1 ms                   | Rotation                   | 0.00 deg                  |
| Averages                  | 1                         | R >> L                     | 500 mm                    |
| Concatenations            | 1                         | A >> P                     | 500 mm                    |
| Filter                    | None                      | F >> H                     | 24 mm                     |
| Coil elements             | T1                        | Physio                     |                           |
| Contrast                  |                           | 1st Signal/Mode            | None                      |
| Magn. preparation         | Non-sel. IR               | Composing                  |                           |
| TI<br>Flip angle          | 1200 ms<br>180 deg        |                            |                           |
|                           | Tot deg                   | Sequence                   |                           |

| Magn. preparation TI 1200 ms Flip angle 180 deg Fat suppr. Fat sat. Fat sat. mode Strong |                                    | Composing  |                                      |  |  |
|--|------------------------------------|--|--------------------------------------|--|--|
|  | 9                                  | Sequence   |                                      |  |  |
|  |                                    | Introduction Dimension                                 | Off<br>3D                            |  |  |
| Averaging mode Reconstruction Measurements Multiple series                               | Long term<br>Magnitude<br>1<br>Off | Reordering Contrasts Bandwidth Echo spacing            | Centric<br>2<br>2004 Hz/Px<br>0.5 ms |  |  |
| Resolution Base resolution Phase resolution Slice resolution                             | 64<br>100 %<br>100 %               | Turbo factor  EPI factor  RF pulse type  Gradient mode | 5<br>64<br>Normal<br>Fast            |  |  |
| Slice partial Fourier<br>Interpolation   | 5/8<br>Off                         | IR-RF: 2nd segm phase flip angle excit                 | 0<br>90                              |  |  |
| PAT mode   | None                               | phase encoding  Maxwell compensation                   | ON<br>Off                            |  |  |
| Prescan Normalize<br>Raw filter  | Off<br>Off                         | ICE program prepscans                                  | single<br>0                          |  |  |

Interleaved

66 mm

Isocenter

Geometry Series

> Sat. region 1 Thickness

Position

| \\LISER\Feinherglah\Tanja\test\BP    |       | -1    | 1/400  | 1/4.04 |
|--------------------------------------|-------|-------|--------|--------|
| \\I ISER\EEINDERGIAD\ I ania\test\BP | arase | CIEAN | VAS(1) | 1/1()T |

TA: 3.0 s PAT: Off Voxel size: 7.8×7.8×3.0 mm Rel. SNR: 1.00 USER: BP\_grase\_clean\_VASO\_V10t

| Properties                |             | Orientation Special sat. | Transversal<br>None |
|---------------------------|-------------|--------------------------|---------------------|
| Prio Recon                | Off         | — Special Sat.           |                     |
| Before measurement        |             | Table position           | Н                   |
| After measurement         |             | Table position           | 0 mm                |
| Load to viewer            | On          | Inline Composing         | Off                 |
| Inline movie              | Off         |                          |                     |
| Auto store images         | On          | System                   |                     |
| Load to stamp segments    | Off         | T1                       | On                  |
| Load images to graphic    | Off         | M2                       | Off                 |
| <b>.</b>                  | Oli         | B4                       | Off                 |
| segments                  | 0"          | M3                       | Off                 |
| Auto open inline display  | Off         | V32                      | Off                 |
| Start measurement without | On          |                          |                     |
| further preparation       |             | Positioning mode         | REF                 |
| Wait for user to start    | Off         | MSMA                     | S - C - T           |
| Start measurements        | single      | Sagittal                 | R >> L              |
| Routine                   |             | Coronal                  | A >> P              |
|                           |             | Transversal              | F >> H              |
| Slab group 1              |             | Save uncombined          | Off                 |
| Slabs                     | 1           | Coil Combine Mode        | Adaptive Combine    |
| Dist. factor              | 0 %         | AutoAlign                |                     |
| Position                  | Isocenter   | Auto Coil Select         | Default             |
| Orientation               | Transversal | Auto Coli Gelect         |                     |
| Phase enc. dir.           | A >> P      | Shim mode                | Standard            |
| Rotation                  | 0.00 deg    | Adjust with body coil    | Off                 |
| Phase oversampling        | 0 %         | Confirm freq. adjustment | Off                 |
| Slice oversampling        | 0.0 %       | Assume Silicone          | Off                 |
| Slices per slab           | 8           | ? Ref. amplitude 1H      | 0.000 V             |
| FoV read                  | 500 mm      | Adjustment Tolerance     | Auto                |
| FoV phase                 | 100.0 %     | Adjust volume            | Adio                |
| Slice thickness           | 3.0 mm      | Position                 | Isocenter           |
| TR                        | 3000 ms     | Orientation              |                     |
| TE TE                     | 42.1 ms     |                          | Transversal         |
|                           |             | Rotation                 | 0.00 deg            |
| Averages                  | 1           | R >> L                   | 500 mm              |
| Concatenations            | 1           | A >> P                   | 500 mm              |
| Filter                    | None        | F >> H                   | 24 mm               |
| Coil elements             | T1          | Physio                   |                     |
| Contrast                  |             | 1st Signal/Mode          | None                |
| Magn. preparation         | Non-sel. IR | TSt Signal/Mode          | None                |
| TI                        | 1200 ms     | Composing                |                     |
| Flip angle                | 180 deg     | Carriage                 |                     |
| Fat suppr.                | Fat sat.    | Sequence                 | ~                   |
|                           |             | Introduction             | Off                 |
| Fat sat. mode             | Strong      | Dimension                | 3D                  |
| Averaging mode            | Long term   | Reordering               | Centric             |
| Reconstruction            | Magnitude   | Contrasts                | 2                   |
| Measurements              | 1           | Bandwidth                | 2004 Hz/Px          |
| Multiple series           | Off         | Echo spacing             | 0.5 ms              |
| 1                         |             | Turbo factor             | E                   |
| Resolution                |             |                          | 5<br>64             |
| Base resolution           | 64          | EPI factor               | <del>-</del> -      |
| Phase resolution          | 100 %       | RF pulse type            | Normal              |
| Slice resolution          | 100 %       | Gradient mode            | Fast                |
| Slice partial Fourier     | 5/8         | BIR4: 2nd segm phase     | 338                 |
| Interpolation             | Off         | BIR4: duration           | 5120                |
|                           |             | excite duration          | 2560                |
| PAT mode                  | None        |                          |                     |
| Prescan Normalize         | Off         | refoc duration           | 2560                |
|                           |             | excite BWTP              | 20.8                |
| Raw filter                | Off         | refoc BWTP               | 5.2                 |
| Geometry                  |             | phase encoding           | ON                  |
| Series                    | Interleaved | Maxwell compensation     | Off                 |
|                           |             | ICE program              | single              |
| Sat. region 1             |             |                          |                     |
| Thickness                 | 66 mm       |                          |                     |
| Position                  | Isocenter   |                          |                     |
|                           |             |                          |                     |

## SIEMENS MAGNETOM Investigational\_Device\_7T syngo MR B17

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