

## SIEMENS MAGNETOM Product syngo MR B17

\\USER\knee\_20min\_0002\20min\_protocols\_NYU\_27.05.09\hip\_4ch\_flex/body\_ok\t2\_trufi3d\_we\_sag\_p2

TA: 4:56 PAT: 2 Voxel size: 0.3×0.3×1.5 mm Rel. SNR: 1.00 SIEMENS: trufi

## 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       | 20 %                                    |
| Position           | Isocenter                               |
| Orientation        | Sagittal                                |
| Phase enc. dir.    | A >> P                                  |
| Rotation           | 0.00 deg                                |
| Phase oversampling | 100 %                                   |
| Slice oversampling | 100.0 %                                 |
| Slices per slab    | 64                                      |
| FoV read           | 130 mm                                  |
| FoV phase          | 100.0 %                                 |
| Slice thickness    | 1.50 mm                                 |
| TR                 | 12.07 ms                                |
| TE                 | 5.11 ms                                 |
| Averages           | 1                                       |
| Filter             | Distortion Corr.(2D), Prescan Normalize |
| Coil elements      | BO1,2                                   |

## Contrast

|                   |                   |
|-------------------|-------------------|
| Magn. preparation | None              |
| Flip angle        | 30 deg            |
| Fat suppr.        | Water excit. fast |
| ---               |                   |
| Averaging mode    | Short term        |
| Reconstruction    | Magnitude         |
| Measurements      | 1                 |
| Multiple series   | Each measurement  |

## Resolution

|                       |               |
|-----------------------|---------------|
| Base resolution       | 448           |
| Phase resolution      | 90 %          |
| Slice resolution      | 75 %          |
| Phase partial Fourier | 5/8           |
| Slice partial Fourier | Off           |
| Interpolation         | Off           |
| ---                   |               |
| PAT mode              | GRAPPA        |
| Accel. factor PE      | 2             |
| Ref. lines PE         | 24            |
| Accel. factor 3D      | 1             |
| Matrix Coil Mode      | Auto (Triple) |
| Reference scan mode   | Integrated    |
| ---                   |               |
| Image Filter          | Off           |
| Distortion Corr. Mode | On 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  | Sequential  |
| Series            | Interleaved |
| ---               |             |
| Set-n-Go Protocol | Off         |
| Table position    | H           |
| Table position    | 0 mm        |
| Inline Composing  | Off         |

## System

|                          |                |
|--------------------------|----------------|
| Body                     | Off            |
| BO1                      | On             |
| BO2                      | On             |
| ---                      |                |
| Positioning mode         | ISO            |
| MSMA                     | S - C - T      |
| Sagittal                 | R >> L         |
| Coronal                  | A >> P         |
| Transversal              | H >> F         |
| 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                 | Isocenter      |
| Orientation              | Sagittal       |
| Rotation                 | 0.00 deg       |
| F >> H                   | 130 mm         |
| A >> P                   | 130 mm         |
| R >> L                   | 96 mm          |

## Physio

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

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### Sequence

|                     |           |
|---------------------|-----------|
| Introduction        | On        |
| Dimension           | 3D        |
| Elliptical scanning | On        |
| Reordering          | Linear    |
| Asymmetric echo     | Allowed   |
| Bandwidth           | 140 Hz/Px |
| Flow comp.          | No        |
| -----               |           |
| RF pulse type       | Fast      |
| Gradient mode       | Normal    |
| Excitation          | Slab-sel. |