

# SIEMENS MAGNETOM Product syngo MR B17

\\USER\knee\_20min\20min\_protocols\_NYU\_27.05.09\ankle\pd\_tse\_tra

TA: 2:22    PAT: 2    Voxel size: 0.4x0.4x3.0 mm    Rel. SNR: 1.00    SIEMENS: tse

## Properties

|   |        |
|---|--------|
| Prio Recon                                    | Off    |
| Before measurement                            |        |
| After measurement                             |        |
| Load to viewer                                | On     |
| Inline movie                                  | Off    |
| Auto store images                             | On     |
| Load to stamp segments                        | On     |
| Load images to graphic segments               | Off    |
| Auto open inline display                      | On     |
| Start measurement without further preparation | On     |
| Wait for user to start                        | Off    |
| Start measurements                            | single |

## Routine

|                    |  |
|--------------------|--|
| Slice group 1      |  |
| Slices             | 35   |
| Dist. factor       | 10 %   |
| Position           | Isocenter  |
| Orientation        | Transversal  |
| Phase enc. dir.    | A >> P   |
| Rotation           | 0.00 deg   |
| Phase oversampling | 50 %   |
| FoV read           | 140 mm   |
| FoV phase          | 100.0 %  |
| Slice thickness    | 3.0 mm   |
| TR                 | 4000 ms  |
| TE                 | 38 ms  |
| Averages           | 1  |
| Concatenations     | 1  |
| Filter             | Distortion Corr.(2D), Prescan Normalize, Elliptical filter |
| Coil elements      | FA   |

## Contrast

|                   |                  |
|-------------------|------------------|
| MTC               | Off              |
| Magn. preparation | None             |
| Flip angle        | 150 deg          |
| Fat suppr.        | None             |
| Water suppr.      | None             |
| Restore magn.     | Off              |
| Averaging mode    | Long term        |
| Reconstruction    | Magnitude        |
| Measurements      | 1                |
| Multiple series   | Each measurement |

## Resolution

|                       |               |
|-----------------------|---------------|
| Base resolution       | 384           |
| Phase resolution      | 100 %         |
| Phase partial Fourier | Allowed       |
| Trajectory            | Cartesian     |
| Interpolation         | Off           |
| PAT mode              | GRAPPA        |
| Accel. factor PE      | 2             |
| Ref. lines PE         | 35            |
| Matrix Coil Mode      | Auto (Triple) |
| Reference scan mode   | Integrated    |
| Image Filter          | Off           |
| Distortion Corr.      | On            |
| Mode                  | 2D            |
| Unfiltered images     | Off           |

|                   |         |
|-------------------|---------|
| Unfiltered images | Off     |
| Prescan Normalize | On      |
| Normalize         | Off     |
| B1 filter         | Off     |
| Raw filter        | Off     |
| Elliptical filter | On      |
| Mode              | Inplane |

## Geometry

|                   |                 |
|-------------------|-----------------|
| Multi-slice mode  | Interleaved     |
| Series            | Interleaved     |
| Sat. region 1     |                 |
| Thickness         | 56 mm           |
| Position          | L0.0 P0.0 H90.8 |
| Orientation       | Transversal     |
| Special sat.      | None            |
| Set-n-Go Protocol | Off             |
| Table position    | H               |
| Table position    | 0 mm            |
| Inline Composing  | Off             |
| Tim CT mode       | Off             |

## System

|                          |                  |
|--------------------------|------------------|
| Body                     | Off              |
| FA                       | On               |
| Positioning mode         | FIX              |
| MSMA                     | S - C - T        |
| Sagittal                 | R >> L           |
| Coronal                  | A >> P           |
| Transversal              | H >> F           |
| 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                   | 140 mm           |
| A >> P                   | 140 mm           |
| F >> H                   | 116 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 |

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|                      |     |
|----------------------|-----|
| MIP-Time             | Off |
| Save original images | On  |

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## Sequence

|                     |           |
|---------------------|-----------|
| Introduction        | On        |
| Dimension           | 2D        |
| Compensate T2 decay | Off       |
| Reduce Motion Sens. | Off       |
| Contrasts           | 1         |
| Bandwidth           | 255 Hz/Px |
| Flow comp.          | No        |
| Allowed delay       | 0 s       |
| Echo spacing        | 9.6 ms    |

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|                       |              |
|-----------------------|--------------|
| Define                | Turbo factor |
| Turbo factor          | 9            |
| Echo trains per slice | 34           |
| RF pulse type         | Normal       |
| Gradient mode         | Fast         |