

# SIEMENS MAGNETOM Product syngo MR B17

\\USER\knee\_20min\_0002\20min\_protocols\_NYU\_27.05.09\shoulder\_4ch\_okt1\_tse\_sag

TA: 3:15    PAT: Off    Voxel size: 0.6x0.4x2.5 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                      | Off    |
| Start measurement without further preparation | On     |
| Wait for user to start                        | Off    |
| Start measurements                            | single |

## Routine

|                    |                              |
|--------------------|------------------------------|
| Slice group 1      |                              |
| Slices             | 19                           |
| Dist. factor       | 30 %                         |
| Position           | Isocenter                    |
| Orientation        | Sagittal                     |
| Phase enc. dir.    | A >> P                       |
| Rotation           | 0.00 deg                     |
| Phase oversampling | 100 %                        |
| FoV read           | 140 mm                       |
| FoV phase          | 100.0 %                      |
| Slice thickness    | 2.5 mm                       |
| TR                 | 600 ms                       |
| TE                 | 13 ms                        |
| Averages           | 1                            |
| Concatenations     | 2                            |
| Filter             | Normalize, Elliptical filter |
| Coil elements      | SHS                          |

## Contrast

|                   |                  |
|-------------------|------------------|
| TD                | 0.0 ms           |
| MTC               | Off              |
| Magn. preparation | None             |
| Flip angle        | 120 deg          |
| Fat suppr.        | None             |
| Water suppr.      | None             |
| Restore magn.     | Off              |
| -----             |                  |
| Averaging mode    | Short term       |
| Reconstruction    | Magnitude        |
| Measurements      | 1                |
| Multiple series   | Each measurement |

## Resolution

|                       |           |
|-----------------------|-----------|
| Base resolution       | 320       |
| Phase resolution      | 75 %      |
| Phase partial Fourier | Off       |
| Trajectory            | Cartesian |
| Interpolation         | Off       |
| -----                 |           |
| PAT mode              | None      |
| Matrix Coil Mode      | Auto (CP) |
| -----                 |           |
| Image Filter          | Off       |
| Distortion Corr.      | Off       |
| Prescan Normalize     | Off       |
| Normalize             | On        |
| Intensity             | Medium    |
| Cut off               | 20        |

|                   |         |
|-------------------|---------|
| Width             | 4       |
| Unfiltered images | Off     |
| B1 filter         | Off     |
| Raw filter        | Off     |
| Elliptical filter | On      |
| Mode              | Inplane |

## Geometry

|                   |             |
|-------------------|-------------|
| Multi-slice mode  | Interleaved |
| Series            | Interleaved |
| -----             |             |
| 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              |
| SHS                      | On               |
| -----                    |                  |
| Positioning mode         | FIX              |
| MSMA                     | S - C - T        |
| Sagittal                 | L >> R           |
| Coronal                  | A >> P           |
| Transversal              | H >> F           |
| Coil Combine Mode        | Adaptive Combine |
| AutoAlign                | ---              |
| Auto Coil Select         | Default          |
| -----                    |                  |
| Shim mode                | Tune up          |
| 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                   | 350 mm           |
| A >> P                   | 263 mm           |
| F >> H                   | 350 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 |
| MIP-Time     | Off |

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Save original images      On

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## Sequence

|                     |           |
|---------------------|-----------|
| Introduction        | On        |
| Dimension           | 2D        |
| Compensate T2 decay | Off       |
| Reduce Motion Sens. | Off       |
| Contrasts           | 1         |
| Bandwidth           | 226 Hz/Px |
| Flow comp.          | No        |
| Allowed delay       | 60 s      |
| Echo spacing        | 13.4 ms   |

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|                       |              |
|-----------------------|--------------|
| Define                | Turbo factor |
| Turbo factor          | 3            |
| Echo trains per slice | 160          |
| RF pulse type         | Low SAR      |
| Gradient mode         | Normal       |