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**\\USER\PHANTOM\PHANTOM\check_MBfactor_dcm2niix_issue870\localizer**

TA: 14 sec Coil Selection: Auto Voxel Size: 0.5×0.5×5.0 mm³ Acc:: 2 Rel. SNR: 1.00

### Properties

| | |
|---|---|
| Start measurement without further preparation | Off |
| Wait for User to Start | Off |
| Start measurements | Single Measurement |
| Prio Recon | On |
| Auto Open Inline Display | On |
| Auto Close Inline Display | Off |
| Load Images to MR View&GO | On |
| Auto Store Images | On |
| Disable auto transfer to PACS | Off |
| Load Images to Stamp Segments | On |
| Load Images to Graphic Segments | On |
| Graphic segment | All Segments |
| Inline Movie | Off |

### Routine

| | |
|---|---|
| Slice Group | 1 |
| Slices | 7 |
| Distance Factor | 400 % |
| Position | Isocenter |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Slice Group | 2 |
| Slices | 7 |
| Distance Factor | 400 % |
| Position | Isocenter |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Slice Group | 3 |
| Slices | 7 |
| Distance Factor | 400 % |
| Position | Isocenter |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Phase Oversampling | 0 % |
| FOV Read | 256 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 5.0 mm |
| TR | 7.0 ms |
| TE | 3.11 ms |
| Averages | 1 |
| Concatenations | 13 |
| AutoAlign | --- |

### Contrast - Common

| | |
|---|---|
| TR | 7.0 ms |
| TE | 3.11 ms |
| TD | 0.00 ms |
| MTC | Off |
| Magn. Preparation | None |
| Flip Angle | 10 deg |

### Contrast - Common

| | |
|---|---|
| Fat-Water Contrast | Standard |
| Dark Blood | Off |
| Contrasts | 1 |
| SWI | Off |
| Reconstruction | Magnitude |

### Contrast - Dynamic

| | |
|---|---|
| Dynamic Mode | Standard |
| Measurements | 1 |
| Multiple Series | Each Measurement |

### Resolution - Common

| | |
|---|---|
| FOV Read | 256 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 5.0 mm |
| Base Resolution | 256 |
| Phase Resolution | 100 % |
| Interpolation | On |

### Resolution - Acceleration

| | |
|---|---|
| Acceleration Mode | GRAPPA |
| Reference Scans | Integrated |
| Acceleration Factor PE | 2 |
| Reference Lines PE | 24 |
| Deep Resolve | Off |
| Phase Partial Fourier | Off |
| Asymmetric Echo | Off |

### Resolution - Filter

| | |
|---|---|
| Raw Filter | Off |
| Elliptical Filter | On |
| Distortion Correction | 2D |
| Normalize | B1 Filter |
| Image Filter | Off |

### Geometry - Common

| | |
|---|---|
| Slice Group | 1 |
| Slices | 7 |
| Distance Factor | 400 % |
| Position | Isocenter |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Slice Group | 2 |
| Slices | 7 |
| Distance Factor | 400 % |
| Position | Isocenter |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Slice Group | 3 |
| Slices | 7 |

### Geometry - Common

| | |
|---|---|
| Distance Factor | 400 % |
| Position | Isocenter |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Phase Oversampling | 0 % |
| FOV Read | 256 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 5.0 mm |
| TR | 7.0 ms |
| Multi-Slice Mode | Sequential |
| Series | Interleaved |
| Concatenations | 13 |

### Geometry - AutoAlign

| | |
|---|---|
| Slice Group | 1 |
| Position | Isocenter |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Slice Group | 2 |
| Position | Isocenter |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Slice Group | 3 |
| Position | Isocenter |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Orientation | Sagittal |
| Initial Rotation | 0.00 deg |

### Geometry - Saturation

| | |
|---|---|
| Saturation Mode | Standard |
| Special Saturation | None |

### Geometry - Tim Planning Suite

| | |
|---|---|
| Set-n-Go Protocol | Off |
| Table Position | 0 mm |
| Table Position | H |

### System - Miscellaneous

| | |
|---|---|
| Coil Selection | Auto Coil Select |
| Radial Sorting | Off |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combination | Sum of Squares |
| Matrix Optimization | Off |
| Coil Focus | Flat |

### System - Adjustments

| | |
|---|---|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| B1 Shim | TrueForm |
| Adjustment Tolerance | Auto |
| Adjust with Body Coil | Off |
| Confirm Frequency | Never |
| Assume Silicone | Off |

### System - Adjust Volume

| | |
|---|---|
| Position | Isocenter |
| Orientation | Transversal |
| Rotation | 0.00 deg |
| A >> P | 263 mm |
| R >> L | 350 mm |
| F >> H | 350 mm |
| Reset | Off |

### System - pTx

| | |
|---|---|
| B1 Shim | TrueForm |
| Excitation | Slice-sel. |
| LR Balancing | Off |

### System - Tx/Rx

| | |
|---|---|
| Frequency 1H | 297.178714 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

### Physio - Signal

| | |
|---|---|
| 1st Signal/Mode | None |
| TR | 7.0 ms |
| Segments | 1 |
| Concatenations | 13 |

### Physio - Cardiac

| | |
|---|---|
| Tagging | None |
| Fat-Water Contrast | Standard |
| Magn. Preparation | None |
| Dark Blood | Off |
| FOV Read | 256 mm |
| FOV Phase | 100.0 % |
| Phase Resolution | 100 % |

### Physio - PACE

| | |
|---|---|
| Resp. Control | Off |
| Concatenations | 13 |

### Inline - Liver

| | |
|---|---|
| Liver Registration | Off |
| Save Original Images | On |

### Inline - Subtraction

| | |
|---|---|
| Subtract | Off |
| Measurements | 1 |

### Inline - Subtraction

| | |
|---|---|
| StdDev | Off |
| Save Original Images | On |

### Inline - MIP

| | |
|---|---|
| MIP Sag | Off |
| MIP Cor | Off |
| MIP Tra | Off |
| MIP Time | Off |
| Radial MIP | Off |
| Save Original Images | On |
| MPR Sag | Off |
| MPR Cor | Off |
| MPR Tra | Off |

### Inline - Soft Tissue

| | |
|---|---|
| Wash-in | Off |
| Wash-out | Off |
| TTP | Off |
| PEI | Off |
| MIP Time | Off |
| Measurements | 1 |

### Inline - Composing

### Inline - MapIt

| | |
|---|---|
| MapIt | None |
| Flip Angle | 10 deg |
| Measurements | 1 |
| Contrasts | 1 |
| TE | 3.11 ms |
| TR | 7.0 ms |
| Save Original Images | On |

### Inline - Open Recon

| | |
|---|---|
| Algorithm | None |

### Sequence - Part 1

| | |
|---|---|
| Sequence Name | qfl |
| Dimension | 2D |
| Excitation | Slice-sel. |
| RF Pulse Type | Normal |
| Gradient Mode | Whisper |
| Flow Compensation | None |
| Bandwidth | 610 Hz/Px |
| Asymmetric Echo | Off |
| Segments | 1 |

### Sequence - Part 2

| | |
|---|---|
| Introduction | On |
| RF Spoiling | On |
| Acoustic noise reduction | On |

### Sequence - Nuclei

| | |
|---|---|
| TX/RX Nucleus | 1H |

### Sequence - Nuclei

| | |
|---|---|
| TX/RX Delta Frequency | 0 Hz |
| TX Nucleus | None |
| TX Delta Frequency | 0 Hz |

### Sequence - Assistant

| | |
|---|---|
| SAR Assistant | Off |
| Allowed Delay | 0 s |

**\\USER\PHANTOM\PHANTOM\check_MBfactor_dcm2niix_issue870\PRODUCT__ep2d_bold__p3_sms1**

TA: 11 sec Coil Selection: Auto Voxel Size: 2.0×2.0×2.0 mm³ Acc:: 3 Rel. SNR: 1.00

### Properties

| | |
|---|---|
| Start measurement without further preparation | On |
| Wait for User to Start | Off |
| Start measurements | Single Measurement |
| Prio Recon | Off |
| Auto Open Inline Display | Off |
| Auto Close Inline Display | Off |
| Load Images to MR View&GO | On |
| Auto Store Images | On |
| Disable auto transfer to PACS | Off |
| Load Images to Stamp Segments | Off |
| Load Images to Graphic Segments | Off |
| Graphic segment | Default |
| Inline Movie | Off |

### Routine

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 1230.0 ms |
| TE | 20.00 ms |
| Averages | 1 |
| Concatenations | 1 |
| AutoAlign | --- |

### Contrast - Common

| | |
|---|---|
| TR | 1230.0 ms |
| TE | 20.00 ms |
| MTC | Off |
| Flip Angle | 42 deg |
| Fat-Water Contrast | Fat Saturation |
| Reconstruction | Magnitude |

### Contrast - Dynamic

| | |
|---|---|
| Dynamic Mode | Standard |
| Measurements | 3 |
| Delay in TR | 0.00 ms |

### Resolution - Common

| | |
|---|---|
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| Base Resolution | 64 |

### Resolution - Common

| | |
|---|---|
| Phase Resolution | 100 % |
| Interpolation | Off |

### Resolution - Acceleration

| | |
|---|---|
| Acceleration Mode | SMS |
| Reference Scans | EPI/Separate |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 30 |
| SMS Factor | 1 |
| Phase Partial Fourier | Off |

### Resolution - Filter

| | |
|---|---|
| Raw Filter | Off |
| Elliptical Filter | Off |
| Hamming | Off |
| Distortion Correction | 2D |
| Normalize | Off |

### Geometry - Common

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 1230.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

### Geometry - AutoAlign

| | |
|---|---|
| Slice Group | 1 |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| AutoAlign | --- |
| Initial Position | L0.0 P25.7 F12.9 |
| L | 0.0 mm |
| P | 25.7 mm |
| F | 12.9 mm |
| Initial Orientation | Coronal |
| Initial Rotation | 0.00 deg |

### Geometry - Saturation

| | |
|---|---|
| Special Saturation | None |

### Geometry - Tim Planning Suite

| | |
|---|---|
| Set-n-Go Protocol | Off |
| Table Position | 0 mm |
| Table Position | H |

### System - Miscellaneous

| | |
|---|---|
| Coil Selection | Auto Coil Select |
| Radial Sorting | Off |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combination | Sum of Squares |
| Matrix Optimization | Off |
| Coil Focus | Flat |

### System - Adjustments

| | |
|---|---|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| B1 Shim | TrueForm |
| Adjustment Tolerance | Auto |
| Adjust with Body Coil | Off |
| Confirm Frequency | Never |
| Assume Silicone | Off |

### System - Adjust Volume

| | |
|---|---|
| Position | Isocenter |
| Orientation | Transversal |
| Rotation | 0.00 deg |
| A >> P | 263 mm |
| R >> L | 350 mm |
| F >> H | 350 mm |
| Reset | Off |

### System - pTx

| | |
|---|---|
| B1 Shim | TrueForm |
| Excitation | Standard |

### System - Tx/Rx

| | |
|---|---|
| Frequency 1H | 297.178714 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

### Physio - Signal

| | |
|---|---|
| 1st Signal/Mode | None |
| TR | 1230.0 ms |
| Log Signals | Off |
| Concatenations | 1 |

### BOLD

| | |
|---|---|
| GLM Statistics | Off |
| Ignore Meas. at Start | 0 |
| Ignore After Transition | 0 |
| Model Transition States | On |

### BOLD

| | |
|---|---|
| Temp. Highpass Filter | On |
| Threshold | 4.00 |
| Paradigm Size | 3 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Active |
| Motion Correction | Off |
| Spatial Filter | Off |
| Measurements | 3 |
| Delay in TR | 0.00 ms |

### Inline - Open Recon

| | |
|---|---|
| Algorithm | None |

### Sequence - Part 1

| | |
|---|---|
| Sequence Name | epfid |
| Excitation | Standard |
| RF Pulse Type | Normal |
| Gradient Mode | Normal |
| Bandwidth | 2368 Hz/Px |
| Echo Spacing | 0.55 ms |
| Free Echo Spacing | Off |
| EPI Factor | 64 |

### Sequence - Part 2

| | |
|---|---|
| Introduction | Off |

### Sequence - Assistant

| | |
|---|---|
| SAR Assistant | Off |

**\\USER\PHANTOM\PHANTOM\check_MBfactor_dcm2niix_issue870\PRODUCT__ep2d_bold__p3_sms2**

TA: 9 sec Coil Selection: Auto Voxel Size: 2.0×2.0×2.0 mm³ Acc:: 6 Rel. SNR: 1.00

### Properties

| | |
|---|---|
| Start measurement without further preparation | On |
| Wait for User to Start | Off |
| Start measurements | Single Measurement |
| Prio Recon | Off |
| Auto Open Inline Display | Off |
| Auto Close Inline Display | Off |
| Load Images to MR View&GO | On |
| Auto Store Images | On |
| Disable auto transfer to PACS | Off |
| Load Images to Stamp Segments | Off |
| Load Images to Graphic Segments | Off |
| Graphic segment | Default |
| Inline Movie | Off |

### Routine

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 1230.0 ms |
| TE | 20.00 ms |
| Averages | 1 |
| Concatenations | 1 |
| AutoAlign | --- |

### Contrast - Common

| | |
|---|---|
| TR | 1230.0 ms |
| TE | 20.00 ms |
| MTC | Off |
| Flip Angle | 42 deg |
| Fat-Water Contrast | Fat Saturation |
| Reconstruction | Magnitude |

### Contrast - Dynamic

| | |
|---|---|
| Dynamic Mode | Standard |
| Measurements | 3 |
| Delay in TR | 0.00 ms |

### Resolution - Common

| | |
|---|---|
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| Base Resolution | 64 |

### Resolution - Common

| | |
|---|---|
| Phase Resolution | 100 % |
| Interpolation | Off |

### Resolution - Acceleration

| | |
|---|---|
| Acceleration Mode | SMS |
| Reference Scans | EPI/Separate |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 30 |
| SMS Factor | 2 |
| Phase Partial Fourier | Off |

### Resolution - Filter

| | |
|---|---|
| Raw Filter | Off |
| Elliptical Filter | Off |
| Hamming | Off |
| Distortion Correction | 2D |
| Normalize | Off |

### Geometry - Common

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 1230.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

### Geometry - AutoAlign

| | |
|---|---|
| Slice Group | 1 |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| AutoAlign | --- |
| Initial Position | L0.0 P25.7 F12.9 |
| L | 0.0 mm |
| P | 25.7 mm |
| F | 12.9 mm |
| Initial Orientation | Coronal |
| Initial Rotation | 0.00 deg |

### Geometry - Saturation

| | |
|---|---|
| Special Saturation | None |

### Geometry - Tim Planning Suite

| | |
|---|---|
| Set-n-Go Protocol | Off |
| Table Position | 0 mm |
| Table Position | H |

### System - Miscellaneous

| | |
|---|---|
| Coil Selection | Auto Coil Select |
| Radial Sorting | Off |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combination | Sum of Squares |
| Matrix Optimization | Off |
| Coil Focus | Flat |

### System - Adjustments

| | |
|---|---|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| B1 Shim | TrueForm |
| Adjustment Tolerance | Auto |
| Adjust with Body Coil | Off |
| Confirm Frequency | Never |
| Assume Silicone | Off |

### System - Adjust Volume

| | |
|---|---|
| Position | Isocenter |
| Orientation | Transversal |
| Rotation | 0.00 deg |
| A >> P | 263 mm |
| R >> L | 350 mm |
| F >> H | 350 mm |
| Reset | Off |

### System - pTx

| | |
|---|---|
| B1 Shim | TrueForm |
| Excitation | Standard |

### System - Tx/Rx

| | |
|---|---|
| Frequency 1H | 297.178714 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

### Physio - Signal

| | |
|---|---|
| 1st Signal/Mode | None |
| TR | 1230.0 ms |
| Log Signals | Off |
| Concatenations | 1 |

### BOLD

| | |
|---|---|
| GLM Statistics | Off |
| Ignore Meas. at Start | 0 |
| Ignore After Transition | 0 |
| Model Transition States | On |

### BOLD

| | |
|---|---|
| Temp. Highpass Filter | On |
| Threshold | 4.00 |
| Paradigm Size | 3 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Active |
| Motion Correction | Off |
| Spatial Filter | Off |
| Measurements | 3 |
| Delay in TR | 0.00 ms |

### Inline - Open Recon

| | |
|---|---|
| Algorithm | None |

### Sequence - Part 1

| | |
|---|---|
| Sequence Name | epfid |
| Excitation | Standard |
| RF Pulse Type | Normal |
| Gradient Mode | Normal |
| Bandwidth | 2368 Hz/Px |
| Echo Spacing | 0.59 ms |
| Free Echo Spacing | Off |
| EPI Factor | 64 |

### Sequence - Part 2

| | |
|---|---|
| Introduction | Off |

### Sequence - Assistant

| | |
|---|---|
| SAR Assistant | Off |

**\\USER\PHANTOM\PHANTOM\check_MBfactor_dcm2niix_issue870\PRODUCT__ep2d_bold__p3_sms5**

TA: 9 sec Coil Selection: Auto Voxel Size: 2.0×2.0×2.0 mm³ Acc:: 15 Rel. SNR: 1.00

### Properties

| | |
|---|---|
| Start measurement without further preparation | On |
| Wait for User to Start | Off |
| Start measurements | Single Measurement |
| Prio Recon | Off |
| Auto Open Inline Display | Off |
| Auto Close Inline Display | Off |
| Load Images to MR View&GO | On |
| Auto Store Images | On |
| Disable auto transfer to PACS | Off |
| Load Images to Stamp Segments | Off |
| Load Images to Graphic Segments | Off |
| Graphic segment | Default |
| Inline Movie | Off |

### Routine

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 1230.0 ms |
| TE | 20.00 ms |
| Averages | 1 |
| Concatenations | 1 |
| AutoAlign | --- |

### Contrast - Common

| | |
|---|---|
| TR | 1230.0 ms |
| TE | 20.00 ms |
| MTC | Off |
| Flip Angle | 42 deg |
| Fat-Water Contrast | Fat Saturation |
| Reconstruction | Magnitude |

### Contrast - Dynamic

| | |
|---|---|
| Dynamic Mode | Standard |
| Measurements | 3 |
| Delay in TR | 0.00 ms |

### Resolution - Common

| | |
|---|---|
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| Base Resolution | 64 |

### Resolution - Common

| | |
|---|---|
| Phase Resolution | 100 % |
| Interpolation | Off |

### Resolution - Acceleration

| | |
|---|---|
| Acceleration Mode | SMS |
| Reference Scans | EPI/Separate |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 30 |
| SMS Factor | 5 |
| Phase Partial Fourier | Off |

### Resolution - Filter

| | |
|---|---|
| Raw Filter | Off |
| Elliptical Filter | Off |
| Hamming | Off |
| Distortion Correction | 2D |
| Normalize | Off |

### Geometry - Common

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 1230.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

### Geometry - AutoAlign

| | |
|---|---|
| Slice Group | 1 |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| AutoAlign | --- |
| Initial Position | L0.0 P25.7 F12.9 |
| L | 0.0 mm |
| P | 25.7 mm |
| F | 12.9 mm |
| Initial Orientation | Coronal |
| Initial Rotation | 0.00 deg |

### Geometry - Saturation

| | |
|---|---|
| Special Saturation | None |

### Geometry - Tim Planning Suite

| | |
|---|---|
| Set-n-Go Protocol | Off |
| Table Position | 0 mm |
| Table Position | H |

### System - Miscellaneous

| | |
|---|---|
| Coil Selection | Auto Coil Select |
| Radial Sorting | Off |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combination | Sum of Squares |
| Matrix Optimization | Off |
| Coil Focus | Flat |

### System - Adjustments

| | |
|---|---|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| B1 Shim | TrueForm |
| Adjustment Tolerance | Auto |
| Adjust with Body Coil | Off |
| Confirm Frequency | Never |
| Assume Silicone | Off |

### System - Adjust Volume

| | |
|---|---|
| Position | Isocenter |
| Orientation | Transversal |
| Rotation | 0.00 deg |
| A >> P | 263 mm |
| R >> L | 350 mm |
| F >> H | 350 mm |
| Reset | Off |

### System - pTx

| | |
|---|---|
| B1 Shim | TrueForm |
| Excitation | Standard |

### System - Tx/Rx

| | |
|---|---|
| Frequency 1H | 297.178714 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

### Physio - Signal

| | |
|---|---|
| 1st Signal/Mode | None |
| TR | 1230.0 ms |
| Log Signals | Off |
| Concatenations | 1 |

### BOLD

| | |
|---|---|
| GLM Statistics | Off |
| Ignore Meas. at Start | 0 |
| Ignore After Transition | 0 |
| Model Transition States | On |

### BOLD

| | |
|---|---|
| Temp. Highpass Filter | On |
| Threshold | 4.00 |
| Paradigm Size | 3 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Active |
| Motion Correction | Off |
| Spatial Filter | Off |
| Measurements | 3 |
| Delay in TR | 0.00 ms |

### Inline - Open Recon

| | |
|---|---|
| Algorithm | None |

### Sequence - Part 1

| | |
|---|---|
| Sequence Name | epfid |
| Excitation | Standard |
| RF Pulse Type | Normal |
| Gradient Mode | Normal |
| Bandwidth | 2368 Hz/Px |
| Echo Spacing | 0.69 ms |
| Free Echo Spacing | Off |
| EPI Factor | 64 |

### Sequence - Part 2

| | |
|---|---|
| Introduction | Off |

### Sequence - Assistant

| | |
|---|---|
| SAR Assistant | Off |

**\\USER\PHANTOM\PHANTOM\check_MBfactor_dcm2niix_issue870\C2P__cmrr_mbep2d_bold__p3_mb1**

TA: 11 sec Coil Selection: Auto Voxel Size: 2.0×2.0×2.0 mm³ Acc:: 3 Rel. SNR: 1.00

### Properties

| | |
|---|---|
| Start measurement without further preparation | On |
| Wait for User to Start | Off |
| Start measurements | Single Measurement |
| Prio Recon | Off |
| Auto Open Inline Display | Off |
| Auto Close Inline Display | Off |
| Load Images to MR View&GO | On |
| Auto Store Images | On |
| Disable auto transfer to PACS | Off |
| Load Images to Stamp Segments | Off |
| Load Images to Graphic Segments | Off |
| Graphic segment | Default |
| Inline Movie | Off |

### Routine

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 1230.0 ms |
| TE | 20.00 ms |
| Averages | 1 |
| Multi-band accel. factor | 1 |
| AutoAlign | --- |

### Contrast - Common

| | |
|---|---|
| TR | 1230.0 ms |
| TE | 20.00 ms |
| MTC | Off |
| Magn. Preparation | None |
| Flip Angle | 42 deg |
| Fat-Water Contrast | Fat Saturation |
| Contrasts | 1 |
| Reconstruction | Magnitude |

### Contrast - Dynamic

| | |
|---|---|
| Dynamic Mode | Standard |
| Measurements | 3 |
| Delay in TR | 0.00 ms |

### Resolution - Common

| | |
|---|---|
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |

### Resolution - Common

| | |
|---|---|
| Slice Thickness | 2.0 mm |
| Base Resolution | 64 |
| Phase Resolution | 100 % |
| Interpolation | Off |

### Resolution - Acceleration

| | |
|---|---|
| Acceleration Mode | GRAPPA |
| Reference scan mode | Segmented |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 30 |
| Phase Partial Fourier | Off |

### Resolution - Filter

| | |
|---|---|
| Raw Filter | Off |
| Elliptical Filter | Off |
| Hamming | Off |
| Distortion Correction | 2D |
| Static Field Correction | Off |
| Normalize | Off |

### Geometry - Common

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 1230.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 1 |

### Geometry - AutoAlign

| | |
|---|---|
| Slice Group | 1 |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| AutoAlign | --- |
| Initial Position | L0.0 P25.7 F12.9 |
| L | 0.0 mm |
| P | 25.7 mm |
| F | 12.9 mm |
| Initial Orientation | Coronal |
| Initial Rotation | 0.00 deg |

### Geometry - Saturation

| | |
|---|---|
| Special Saturation | None |

### Geometry - Tim Planning Suite

| | |
|---|---|
| Set-n-Go Protocol | Off |
| Table Position | 0 mm |
| Table Position | H |

### System - Miscellaneous

| | |
|---|---|
| Coil Selection | Auto Coil Select |
| Radial Sorting | Off |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combination | Sum of Squares |
| Matrix Optimization | Off |
| Coil Focus | Flat |

### System - Adjustments

| | |
|---|---|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| B1 Shim | TrueForm |
| Adjustment Tolerance | Auto |
| Adjust with Body Coil | Off |
| Confirm Frequency | Never |
| Assume Silicone | Off |

### System - Adjust Volume

| | |
|---|---|
| Position | Isocenter |
| Orientation | Transversal |
| Rotation | 0.00 deg |
| A >> P | 263 mm |
| R >> L | 350 mm |
| F >> H | 350 mm |
| Reset | Off |

### System - pTx

| | |
|---|---|
| B1 Shim | TrueForm |
| Excitation | Standard |

### System - Tx/Rx

| | |
|---|---|
| Frequency 1H | 297.178714 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

### Physio - Signal

| | |
|---|---|
| 1st Signal/Mode | None |
| TR | 1230.0 ms |
| Multi-band accel. factor | 1 |

### BOLD

| | |
|---|---|
| GLM Statistics | Off |
| Ignore Meas. at Start | 0 |

### BOLD

| | |
|---|---|
| Ignore After Transition | 0 |
| Model Transition States | On |
| Temp. Highpass Filter | On |
| Threshold | 4.00 |
| Paradigm Size | 3 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Active |
| Motion Correction | Off |
| Spatial Filter | Off |
| Measurements | 3 |
| Delay in TR | 0.00 ms |

### Inline - Open Recon

| | |
|---|---|
| Algorithm | None |

### Sequence - Part 1

| | |
|---|---|
| Sequence Name | epfid |
| Dimension | 2D |
| Excitation | Standard |
| Gradient Mode | Normal |
| Flow Compensation | None |
| Bandwidth | 2170 Hz/Px |
| Echo Spacing | 0.59 ms |
| Free Echo Spacing | Off |
| EPI Factor | 64 |

### Sequence - Part 2

| | |
|---|---|
| Introduction | Off |
| RF Spoiling | Off |

### Sequence - Special

| | |
|---|---|
| Excite pulse duration | 2560 us |
| Min. prep scans | 0 |
| Delay before PC scans | 0 us |
| SENSE1 coil combine | Off |
| Invert RO/PE polarity | Off |
| Disable B1 control loop | Off |
| Disable freq. update | Off |
| Suppress 16-bit DICOM | Off |
| Force equal slice timing | Off |
| FFT scale factor | 1.00 |
| Fat saturation FA | 110.00 deg |
| Fat sat. offset | 0.00 Hz |
| Sinc exc. pulse BWTP | 5.20 |
| Physio recording | Off |
| Triggering scheme | Standard |

### Sequence - Assistant

| | |
|---|---|
| SAR Assistant | Off |

**\\USER\PHANTOM\PHANTOM\check_MBfactor_dcm2niix_issue870\C2P__cmrr_mbep2d_bold__p3_mb2**

TA: 22 sec Coil Selection: Auto Voxel Size: 2.0×2.0×2.0 mm³ Acc:: 3 Rel. SNR: 1.00

### Properties

| | |
|---|---|
| Start measurement without further preparation | On |
| Wait for User to Start | Off |
| Start measurements | Single Measurement |
| Prio Recon | Off |
| Auto Open Inline Display | Off |
| Auto Close Inline Display | Off |
| Load Images to MR View&GO | On |
| Auto Store Images | On |
| Disable auto transfer to PACS | Off |
| Load Images to Stamp Segments | Off |
| Load Images to Graphic Segments | Off |
| Graphic segment | Default |
| Inline Movie | Off |

### Routine

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 1230.0 ms |
| TE | 20.00 ms |
| Averages | 1 |
| Multi-band accel. factor | 2 |
| AutoAlign | --- |

### Contrast - Common

| | |
|---|---|
| TR | 1230.0 ms |
| TE | 20.00 ms |
| MTC | Off |
| Magn. Preparation | None |
| Flip Angle | 42 deg |
| Fat-Water Contrast | Fat Saturation |
| Contrasts | 1 |
| Reconstruction | Magnitude |

### Contrast - Dynamic

| | |
|---|---|
| Dynamic Mode | Standard |
| Measurements | 3 |
| Delay in TR | 0.00 ms |

### Resolution - Common

| | |
|---|---|
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |

### Resolution - Common

| | |
|---|---|
| Slice Thickness | 2.0 mm |
| Base Resolution | 64 |
| Phase Resolution | 100 % |
| Interpolation | Off |

### Resolution - Acceleration

| | |
|---|---|
| Acceleration Mode | GRAPPA |
| Reference scan mode | Segmented |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 30 |
| Phase Partial Fourier | Off |

### Resolution - Filter

| | |
|---|---|
| Raw Filter | Off |
| Elliptical Filter | Off |
| Hamming | Off |
| Distortion Correction | 2D |
| Static Field Correction | Off |
| Normalize | Off |

### Geometry - Common

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 1230.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 2 |

### Geometry - AutoAlign

| | |
|---|---|
| Slice Group | 1 |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| AutoAlign | --- |
| Initial Position | L0.0 P25.7 F12.9 |
| L | 0.0 mm |
| P | 25.7 mm |
| F | 12.9 mm |
| Initial Orientation | Coronal |
| Initial Rotation | 0.00 deg |

### Geometry - Saturation

| | |
|---|---|
| Special Saturation | None |

### Geometry - Tim Planning Suite

| | |
|---|---|
| Set-n-Go Protocol | Off |
| Table Position | 0 mm |
| Table Position | H |

### System - Miscellaneous

| | |
|---|---|
| Coil Selection | Auto Coil Select |
| Radial Sorting | Off |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combination | Sum of Squares |
| Matrix Optimization | Off |
| Coil Focus | Flat |

### System - Adjustments

| | |
|---|---|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| B1 Shim | TrueForm |
| Adjustment Tolerance | Auto |
| Adjust with Body Coil | Off |
| Confirm Frequency | Never |
| Assume Silicone | Off |

### System - Adjust Volume

| | |
|---|---|
| Position | Isocenter |
| Orientation | Transversal |
| Rotation | 0.00 deg |
| A >> P | 263 mm |
| R >> L | 350 mm |
| F >> H | 350 mm |
| Reset | Off |

### System - pTx

| | |
|---|---|
| B1 Shim | TrueForm |
| Excitation | Standard |

### System - Tx/Rx

| | |
|---|---|
| Frequency 1H | 297.178714 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

### Physio - Signal

| | |
|---|---|
| 1st Signal/Mode | None |
| TR | 1230.0 ms |
| Multi-band accel. factor | 2 |

### BOLD

| | |
|---|---|
| GLM Statistics | Off |
| Ignore Meas. at Start | 0 |

### BOLD

| | |
|---|---|
| Ignore After Transition | 0 |
| Model Transition States | On |
| Temp. Highpass Filter | On |
| Threshold | 4.00 |
| Paradigm Size | 3 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Active |
| Motion Correction | Off |
| Spatial Filter | Off |
| Measurements | 3 |
| Delay in TR | 0.00 ms |

### Inline - Open Recon

| | |
|---|---|
| Algorithm | None |

### Sequence - Part 1

| | |
|---|---|
| Sequence Name | epfid |
| Dimension | 2D |
| Excitation | Standard |
| Gradient Mode | Normal |
| Flow Compensation | None |
| Bandwidth | 2170 Hz/Px |
| Echo Spacing | 0.63 ms |
| Free Echo Spacing | Off |
| EPI Factor | 64 |

### Sequence - Part 2

| | |
|---|---|
| Introduction | Off |
| RF Spoiling | Off |

### Sequence - Special

| | |
|---|---|
| Excite pulse duration | 2560 us |
| Min. prep scans | 0 |
| Min. prep scans SB | 0 |
| Delay before PC scans | 0 us |
| Single-band images | Off |
| MB LeakBlock kernel | On |
| MB dual kernel | Off |
| Opt. MB RF pulse BW | Off |
| SENSE1 coil combine | Off |
| Invert RO/PE polarity | Off |
| Disable B1 control loop | Off |
| Disable freq. update | Off |
| Suppress 16-bit DICOM | Off |
| Force equal slice timing | Off |
| Online multi-band recon. | Online |
| FFT scale factor | 1.00 |
| Fat saturation FA | 110.00 deg |
| Fat sat. offset | 0.00 Hz |
| Sinc exc. pulse BWTP | 5.20 |
| Physio recording | Off |
| Triggering scheme | Standard |

**Sequence - Assistant**

| | |
|---|---|
| SAR Assistant | Off |

**\\USER\PHANTOM\PHANTOM\check_MBfactor_dcm2niix_issue870\C2P__cmrr_mbep2d_bold__p3_mb5**

TA: 44 sec Coil Selection: Auto Voxel Size: 2.0×2.0×2.0 mm³ Acc:: 3 Rel. SNR: 1.00

### Properties

| | |
|---|---|
| Start measurement without further preparation | On |
| Wait for User to Start | Off |
| Start measurements | Single Measurement |
| Prio Recon | Off |
| Auto Open Inline Display | Off |
| Auto Close Inline Display | Off |
| Load Images to MR View&GO | On |
| Auto Store Images | On |
| Disable auto transfer to PACS | Off |
| Load Images to Stamp Segments | Off |
| Load Images to Graphic Segments | Off |
| Graphic segment | Default |
| Inline Movie | Off |

### Routine

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 1230.0 ms |
| TE | 20.00 ms |
| Averages | 1 |
| Multi-band accel. factor | 5 |
| AutoAlign | --- |

### Contrast - Common

| | |
|---|---|
| TR | 1230.0 ms |
| TE | 20.00 ms |
| MTC | Off |
| Magn. Preparation | None |
| Flip Angle | 42 deg |
| Fat-Water Contrast | Fat Saturation |
| Contrasts | 1 |
| Reconstruction | Magnitude |

### Contrast - Dynamic

| | |
|---|---|
| Dynamic Mode | Standard |
| Measurements | 3 |
| Delay in TR | 0.00 ms |

### Resolution - Common

| | |
|---|---|
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |

### Resolution - Common

| | |
|---|---|
| Slice Thickness | 2.0 mm |
| Base Resolution | 64 |
| Phase Resolution | 100 % |
| Interpolation | Off |

### Resolution - Acceleration

| | |
|---|---|
| Acceleration Mode | GRAPPA |
| Reference scan mode | Segmented |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 30 |
| Phase Partial Fourier | Off |

### Resolution - Filter

| | |
|---|---|
| Raw Filter | Off |
| Elliptical Filter | Off |
| Hamming | Off |
| Distortion Correction | 2D |
| Static Field Correction | Off |
| Normalize | Off |

### Geometry - Common

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 1230.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 5 |

### Geometry - AutoAlign

| | |
|---|---|
| Slice Group | 1 |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| AutoAlign | --- |
| Initial Position | L0.0 P25.7 F12.9 |
| L | 0.0 mm |
| P | 25.7 mm |
| F | 12.9 mm |
| Initial Orientation | Coronal |
| Initial Rotation | 0.00 deg |

### Geometry - Saturation

| | |
|---|---|
| Special Saturation | None |

### Geometry - Tim Planning Suite

| | |
|---|---|
| Set-n-Go Protocol | Off |
| Table Position | 0 mm |
| Table Position | H |

### System - Miscellaneous

| | |
|---|---|
| Coil Selection | Auto Coil Select |
| Radial Sorting | Off |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combination | Sum of Squares |
| Matrix Optimization | Off |
| Coil Focus | Flat |

### System - Adjustments

| | |
|---|---|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| B1 Shim | TrueForm |
| Adjustment Tolerance | Auto |
| Adjust with Body Coil | Off |
| Confirm Frequency | Never |
| Assume Silicone | Off |

### System - Adjust Volume

| | |
|---|---|
| Position | Isocenter |
| Orientation | Transversal |
| Rotation | 0.00 deg |
| A >> P | 263 mm |
| R >> L | 350 mm |
| F >> H | 350 mm |
| Reset | Off |

### System - pTx

| | |
|---|---|
| B1 Shim | TrueForm |
| Excitation | Standard |

### System - Tx/Rx

| | |
|---|---|
| Frequency 1H | 297.178714 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

### Physio - Signal

| | |
|---|---|
| 1st Signal/Mode | None |
| TR | 1230.0 ms |
| Multi-band accel. factor | 5 |

### BOLD

| | |
|---|---|
| GLM Statistics | Off |
| Ignore Meas. at Start | 0 |

### BOLD

| | |
|---|---|
| Ignore After Transition | 0 |
| Model Transition States | On |
| Temp. Highpass Filter | On |
| Threshold | 4.00 |
| Paradigm Size | 3 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Active |
| Motion Correction | Off |
| Spatial Filter | Off |
| Measurements | 3 |
| Delay in TR | 0.00 ms |

### Inline - Open Recon

| | |
|---|---|
| Algorithm | None |

### Sequence - Part 1

| | |
|---|---|
| Sequence Name | epfid |
| Dimension | 2D |
| Excitation | Standard |
| Gradient Mode | Normal |
| Flow Compensation | None |
| Bandwidth | 2170 Hz/Px |
| Echo Spacing | 0.59 ms |
| Free Echo Spacing | Off |
| EPI Factor | 64 |

### Sequence - Part 2

| | |
|---|---|
| Introduction | Off |
| RF Spoiling | Off |

### Sequence - Special

| | |
|---|---|
| Excite pulse duration | 2560 us |
| Min. prep scans | 0 |
| Min. prep scans SB | 0 |
| Delay before PC scans | 0 us |
| Single-band images | Off |
| MB LeakBlock kernel | On |
| MB dual kernel | Off |
| MB RF phase scramble | Off |
| Opt. MB RF pulse BW | Off |
| SENSE1 coil combine | Off |
| Invert RO/PE polarity | Off |
| Disable B1 control loop | Off |
| Disable freq. update | Off |
| Suppress 16-bit DICOM | Off |
| Force equal slice timing | Off |
| Online multi-band recon. | Online |
| FFT scale factor | 1.00 |
| Fat saturation FA | 110.00 deg |
| Fat sat. offset | 0.00 Hz |
| Sinc exc. pulse BWTP | 5.20 |
| Physio recording | Off |
| Triggering scheme | Standard |

**Sequence - Assistant**

| | |
|---|---|
| SAR Assistant | Off |

**\\USER\PHANTOM\PHANTOM\check_MBfactor_dcm2niix_issue870\PRODUCT__ep2d_diff__p3_sms1**

TA: 36 sec Coil Selection: Auto Voxel Size: 2.0×2.0×2.0 mm³ Acc:: 3 Rel. SNR: 1.00

### Properties

| | |
|---|---|
| Start measurement without further preparation | On |
| Wait for User to Start | Off |
| Start measurements | Single Measurement |
| Prio Recon | Off |
| Auto Open Inline Display | Off |
| Auto Close Inline Display | Off |
| Load Images to MR View&GO | On |
| Auto Store Images | On |
| Disable auto transfer to PACS | Off |
| Load Images to Stamp Segments | Off |
| Load Images to Graphic Segments | Off |
| Graphic segment | Default |
| Inline Movie | Off |

### Routine

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 3000.0 ms |
| TE | 80.00 ms |
| Concatenations | 1 |
| AutoAlign | --- |

### Contrast - Common

| | |
|---|---|
| TR | 3000.0 ms |
| TE | 80.00 ms |
| MTC | Off |
| Magn. Preparation | None |
| Fat-Water Contrast | Fat Saturation |
| Fat Saturation | Weak |
| Reconstruction | Magnitude |

### Contrast - Dynamic

| | |
|---|---|
| Dynamic Mode | Standard |
| Multiple Series | Off |
| Delay in TR | 0.00 ms |

### Resolution - Common

| | |
|---|---|
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| Base Resolution | 64 |

### Resolution - Common

| | |
|---|---|
| Phase Resolution | 100 % |
| Interpolation | Off |

### Resolution - Acceleration

| | |
|---|---|
| Acceleration Mode | SMS |
| Reference Scans | EPI/Separate |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 30 |
| SMS Factor | 1 |
| Deep Resolve | Off |
| Phase Partial Fourier | 6/8 |

### Resolution - Filter

| | |
|---|---|
| Raw Filter | Off |
| Elliptical Filter | Off |
| Distortion Correction | Off |
| Normalize | Off |

### Geometry - Common

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 3000.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

### Geometry - AutoAlign

| | |
|---|---|
| Slice Group | 1 |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| AutoAlign | --- |
| Initial Position | L0.0 P25.7 F12.9 |
| L | 0.0 mm |
| P | 25.7 mm |
| F | 12.9 mm |
| Initial Orientation | Coronal |
| Initial Rotation | 0.00 deg |

### Geometry - Navigator

### Geometry - Saturation

| | |
|---|---|
| Special Saturation | None |

### Geometry - Tim Planning Suite

| | |
|---|---|
| Set-n-Go Protocol | Off |
| Table Position | 0 mm |
| Table Position | H |

### System - Miscellaneous

| | |
|---|---|
| Coil Selection | Auto Coil Select |
| Radial Sorting | Off |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combination | Adaptive Combine |
| Matrix Optimization | Performance |
| Coil Focus | Flat |

### System - Adjustments

| | |
|---|---|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| B1 Shim | TrueForm |
| Adjustment Tolerance | Auto |
| Adjust with Body Coil | Off |
| Confirm Frequency | Never |
| Assume Silicone | Off |

### System - Adjust Volume

| | |
|---|---|
| Position | Isocenter |
| Orientation | Transversal |
| Rotation | 0.00 deg |
| A >> P | 263 mm |
| R >> L | 350 mm |
| F >> H | 350 mm |
| Reset | Off |

### System - pTx

| | |
|---|---|
| B1 Shim | TrueForm |
| Excitation | Standard |

### System - Tx/Rx

| | |
|---|---|
| Frequency 1H | 297.178714 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

### Physio - Signal

| | |
|---|---|
| 1st Signal/Mode | None |
| TR | 3000.0 ms |
| Concatenations | 1 |

### Physio - PACE

| | |
|---|---|
| Resp. Control | Off |
| Concatenations | 1 |

### Diff

| | |
|---|---|
| Diffusion Mode | MDDW |
| Diff. Directions | 6 |
| Diffusion Scheme | Bipolar |
| Diff. Weightings | 2 |
| b-value 1 | 0 s/mm² |
| b-value 2 | 1000 s/mm² |
| Averages 1 | 1 |
| Averages 2 | 1 |
| Dynamic Field Correction | Off |
| Invert Gray Scale | Off |
| Diff. Weighted Images | On |
| Trace Weighted Images | Off |
| Tensor | Off |
| FA Maps | Off |
| ADC Maps | Off |
| Exponential ADC Maps | Off |
| Calculated Image | Off |

### Inline - Open Recon

| | |
|---|---|
| Algorithm | None |

### Sequence - Part 1

| | |
|---|---|
| Sequence Name | epse |
| Excitation | Standard |
| RF Pulse Type | Normal |
| Gradient Mode | Normal |
| Bandwidth | 2368 Hz/Px |
| Echo Spacing | 0.55 ms |
| Free Echo Spacing | Off |
| Optimization | None |
| EPI Factor | 64 |

### Sequence - Part 2

| | |
|---|---|
| Introduction | Off |
| Phase Correction | Internal |

### Sequence - Assistant

| | |
|---|---|
| SAR Assistant | Off |
| Optimization | None |

**\\USER\PHANTOM\PHANTOM\check_MBfactor_dcm2niix_issue870\PRODUCT__ep2d_diff__p3_sms2**

TA: 28 sec Coil Selection: Auto Voxel Size: 2.0×2.0×2.0 mm³ Acc:: 6 Rel. SNR: 1.00

### Properties

| | |
|---|---|
| Start measurement without further preparation | On |
| Wait for User to Start | Off |
| Start measurements | Single Measurement |
| Prio Recon | Off |
| Auto Open Inline Display | Off |
| Auto Close Inline Display | Off |
| Load Images to MR View&GO | On |
| Auto Store Images | On |
| Disable auto transfer to PACS | Off |
| Load Images to Stamp Segments | Off |
| Load Images to Graphic Segments | Off |
| Graphic segment | Default |
| Inline Movie | Off |

### Routine

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 3000.0 ms |
| TE | 81.00 ms |
| Concatenations | 1 |
| AutoAlign | --- |

### Contrast - Common

| | |
|---|---|
| TR | 3000.0 ms |
| TE | 81.00 ms |
| MTC | Off |
| Magn. Preparation | None |
| Fat-Water Contrast | Fat Saturation |
| Fat Saturation | Weak |
| Reconstruction | Magnitude |

### Contrast - Dynamic

| | |
|---|---|
| Dynamic Mode | Standard |
| Multiple Series | Off |
| Delay in TR | 0.00 ms |

### Resolution - Common

| | |
|---|---|
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| Base Resolution | 64 |

### Resolution - Common

| | |
|---|---|
| Phase Resolution | 100 % |
| Interpolation | Off |

### Resolution - Acceleration

| | |
|---|---|
| Acceleration Mode | SMS |
| Reference Scans | EPI/Separate |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 30 |
| SMS Factor | 2 |
| Deep Resolve | Off |
| Phase Partial Fourier | 6/8 |

### Resolution - Filter

| | |
|---|---|
| Raw Filter | Off |
| Elliptical Filter | Off |
| Distortion Correction | Off |
| Normalize | Off |

### Geometry - Common

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 3000.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

### Geometry - AutoAlign

| | |
|---|---|
| Slice Group | 1 |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| AutoAlign | --- |
| Initial Position | L0.0 P25.7 F12.9 |
| L | 0.0 mm |
| P | 25.7 mm |
| F | 12.9 mm |
| Initial Orientation | Coronal |
| Initial Rotation | 0.00 deg |

### Geometry - Navigator

### Geometry - Saturation

| | |
|---|---|
| Special Saturation | None |

### Geometry - Tim Planning Suite

| | |
|---|---|
| Set-n-Go Protocol | Off |
| Table Position | 0 mm |
| Table Position | H |

### System - Miscellaneous

| | |
|---|---|
| Coil Selection | Auto Coil Select |
| Radial Sorting | Off |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combination | Adaptive Combine |
| Matrix Optimization | Performance |
| Coil Focus | Flat |

### System - Adjustments

| | |
|---|---|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| B1 Shim | TrueForm |
| Adjustment Tolerance | Auto |
| Adjust with Body Coil | Off |
| Confirm Frequency | Never |
| Assume Silicone | Off |

### System - Adjust Volume

| | |
|---|---|
| Position | Isocenter |
| Orientation | Transversal |
| Rotation | 0.00 deg |
| A >> P | 263 mm |
| R >> L | 350 mm |
| F >> H | 350 mm |
| Reset | Off |

### System - pTx

| | |
|---|---|
| B1 Shim | TrueForm |
| Excitation | Standard |

### System - Tx/Rx

| | |
|---|---|
| Frequency 1H | 297.178714 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

### Physio - Signal

| | |
|---|---|
| 1st Signal/Mode | None |
| TR | 3000.0 ms |
| Concatenations | 1 |

### Physio - PACE

| | |
|---|---|
| Resp. Control | Off |
| Concatenations | 1 |

### Diff

| | |
|---|---|
| Diffusion Mode | MDDW |
| Diff. Directions | 6 |
| Diffusion Scheme | Bipolar |
| Diff. Weightings | 2 |
| b-value 1 | 0 s/mm² |
| b-value 2 | 1000 s/mm² |
| Averages 1 | 1 |
| Averages 2 | 1 |
| Dynamic Field Correction | Off |
| Invert Gray Scale | Off |
| Diff. Weighted Images | On |
| Trace Weighted Images | Off |
| Tensor | Off |
| FA Maps | Off |
| ADC Maps | Off |
| Exponential ADC Maps | Off |
| Calculated Image | Off |

### Inline - Open Recon

| | |
|---|---|
| Algorithm | None |

### Sequence - Part 1

| | |
|---|---|
| Sequence Name | epse |
| Excitation | Standard |
| RF Pulse Type | Normal |
| Gradient Mode | Normal |
| Bandwidth | 2368 Hz/Px |
| Echo Spacing | 0.59 ms |
| Free Echo Spacing | Off |
| Optimization | None |
| EPI Factor | 64 |

### Sequence - Part 2

| | |
|---|---|
| Introduction | Off |
| Phase Correction | Internal |

### Sequence - Assistant

| | |
|---|---|
| SAR Assistant | Off |
| Optimization | None |

**\\USER\PHANTOM\PHANTOM\check_MBfactor_dcm2niix_issue870\C2P__cmrr_mbep2d_diff__p3_mb1**

TA: 36 sec Coil Selection: Auto Voxel Size: 2.0×2.0×2.0 mm³ Acc:: 3 Rel. SNR: 1.00

### Properties

| | |
|---|---|
| Start measurement without further preparation | On |
| Wait for User to Start | Off |
| Start measurements | Single Measurement |
| Prio Recon | Off |
| Auto Open Inline Display | Off |
| Auto Close Inline Display | Off |
| Load Images to MR View&GO | On |
| Auto Store Images | On |
| Disable auto transfer to PACS | Off |
| Load Images to Stamp Segments | Off |
| Load Images to Graphic Segments | Off |
| Graphic segment | Default |
| Inline Movie | Off |

### Routine

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 3000.0 ms |
| TE | 80.00 ms |
| Multi-band accel. factor | 1 |
| AutoAlign | --- |

### Contrast - Common

| | |
|---|---|
| TR | 3000.0 ms |
| TE | 80.00 ms |
| MTC | Off |
| Magn. Preparation | None |
| Flip Angle | 90 deg |
| Refocus flip angle | 180 deg |
| Fat-Water Contrast | Fat Saturation |
| Grad. rev. fat suppr. | Enabled |
| Reconstruction | Magnitude |

### Contrast - Dynamic

| | |
|---|---|
| Dynamic Mode | Standard |
| Multiple Series | Off |
| Delay in TR | 0.00 ms |

### Resolution - Common

| | |
|---|---|
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |

### Resolution - Common

| | |
|---|---|
| Slice Thickness | 2.0 mm |
| Base Resolution | 64 |
| Phase Resolution | 100 % |
| Interpolation | Off |

### Resolution - Acceleration

| | |
|---|---|
| Acceleration Mode | GRAPPA |
| Reference scan mode | Segmented |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 30 |
| Phase Partial Fourier | 6/8 |

### Resolution - Filter

| | |
|---|---|
| Raw Filter | Off |
| Elliptical Filter | Off |
| Distortion Correction | Off |
| Static Field Correction | Off |
| Normalize | Off |

### Geometry - Common

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 3000.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 1 |

### Geometry - AutoAlign

| | |
|---|---|
| Slice Group | 1 |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| AutoAlign | --- |
| Initial Position | L0.0 P25.7 F12.9 |
| L | 0.0 mm |
| P | 25.7 mm |
| F | 12.9 mm |
| Initial Orientation | Coronal |
| Initial Rotation | 0.00 deg |

### Geometry - Navigator

### Geometry - Saturation

| | |
|---|---|
| Special Saturation | None |

### Geometry - Tim Planning Suite

| | |
|---|---|
| Set-n-Go Protocol | Off |
| Table Position | 0 mm |
| Table Position | H |

### System - Miscellaneous

| | |
|---|---|
| Coil Selection | Auto Coil Select |
| Radial Sorting | Off |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combination | Sum of Squares |
| Matrix Optimization | Off |
| Coil Focus | Flat |

### System - Adjustments

| | |
|---|---|
| Adjustment Strategy | Standard |
| B0 Shim | Standard |
| B1 Shim | TrueForm |
| Adjustment Tolerance | Auto |
| Adjust with Body Coil | Off |
| Confirm Frequency | Never |
| Assume Silicone | Off |

### System - Adjust Volume

| | |
|---|---|
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Rotation | 0.00 deg |
| R >> L | 128 mm |
| F >> H | 128 mm |
| A >> P | 20 mm |
| Reset | Off |

### System - pTx

| | |
|---|---|
| B1 Shim | TrueForm |
| Excitation | Standard |

### System - Tx/Rx

| | |
|---|---|
| Frequency 1H | 297.178714 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

### Physio - Signal

| | |
|---|---|
| 1st Signal/Mode | None |
| TR | 3000.0 ms |
| Multi-band accel. factor | 1 |

### Physio - PACE

| | |
|---|---|
| Resp. Control | Off |
| Multi-band accel. factor | 1 |

### Diff

| | |
|---|---|
| Diffusion Mode | MDDW |
| Diff. Directions | 6 |
| Diffusion Scheme | Bipolar |
| Diff. Weightings | 2 |
| b-value 1 | 0 s/mm² |
| b-value 2 | 1000 s/mm² |
| Averages 1 | 1 |
| Averages 2 | 1 |
| Dynamic Field Correction | Off |
| Invert Gray Scale | Off |
| Diff. Weighted Images | On |
| Trace Weighted Images | Off |
| Tensor | Off |
| FA Maps | Off |
| ADC Maps | Off |
| Exponential ADC Maps | Off |
| Calculated Image | Off |

### Inline - Open Recon

| | |
|---|---|
| Algorithm | None |

### Sequence - Part 1

| | |
|---|---|
| Sequence Name | epse |
| Dimension | 2D |
| Excitation | Standard |
| Gradient Mode | Normal |
| Bandwidth | 2232 Hz/Px |
| Echo Spacing | 0.57 ms |
| Free Echo Spacing | Off |
| EPI Factor | 64 |

### Sequence - Part 2

| | |
|---|---|
| Introduction | Off |
| RF Spoiling | Off |
| Phase Correction | Internal |

### Sequence - Special

| | |
|---|---|
| Excite pulse duration | 2560 us |
| Refocus pulse duration | 5120 us |
| Min. prep scans | 0 |
| Delay before PC scans | 0 us |
| SENSE1 coil combine | Off |
| Invert RO/PE polarity | Off |
| PF omits higher k-space | Off |
| Disable B1 control loop | Off |
| Disable freq. update | Off |
| Suppress 16-bit DICOM | Off |
| Force equal slice timing | Off |
| FFT scale factor | 1.00 |
| Fat saturation FA | 110.00 deg |
| Fat sat. offset | 0.00 Hz |
| Physio recording | Off |

**Sequence - Assistant**

| | |
|---|---|
| SAR Assistant | Off |

**\\USER\PHANTOM\PHANTOM\check_MBfactor_dcm2niix_issue870\C2P__cmrr_mbep2d_diff__p3_mb2**

TA: 1:03 min Coil Selection: Auto Voxel Size: 2.0×2.0×2.0 mm³ Acc:: 3 Rel. SNR: 1.00

### Properties

| | |
|---|---|
| Start measurement without further preparation | On |
| Wait for User to Start | Off |
| Start measurements | Single Measurement |
| Prio Recon | Off |
| Auto Open Inline Display | Off |
| Auto Close Inline Display | Off |
| Load Images to MR View&GO | On |
| Auto Store Images | On |
| Disable auto transfer to PACS | Off |
| Load Images to Stamp Segments | Off |
| Load Images to Graphic Segments | Off |
| Graphic segment | Default |
| Inline Movie | Off |

### Routine

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 3000.0 ms |
| TE | 80.00 ms |
| Multi-band accel. factor | 2 |
| AutoAlign | --- |

### Contrast - Common

| | |
|---|---|
| TR | 3000.0 ms |
| TE | 80.00 ms |
| MTC | Off |
| Magn. Preparation | None |
| Flip Angle | 90 deg |
| Refocus flip angle | 180 deg |
| Fat-Water Contrast | Fat Saturation |
| Grad. rev. fat suppr. | Enabled |
| Reconstruction | Magnitude |

### Contrast - Dynamic

| | |
|---|---|
| Dynamic Mode | Standard |
| Multiple Series | Off |
| Delay in TR | 0.00 ms |

### Resolution - Common

| | |
|---|---|
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |

### Resolution - Common

| | |
|---|---|
| Slice Thickness | 2.0 mm |
| Base Resolution | 64 |
| Phase Resolution | 100 % |
| Interpolation | Off |

### Resolution - Acceleration

| | |
|---|---|
| Acceleration Mode | GRAPPA |
| Reference scan mode | Segmented |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 30 |
| Phase Partial Fourier | 6/8 |

### Resolution - Filter

| | |
|---|---|
| Raw Filter | Off |
| Elliptical Filter | Off |
| Distortion Correction | Off |
| Static Field Correction | Off |
| Normalize | Off |

### Geometry - Common

| | |
|---|---|
| Slice Group | 1 |
| Slices | 10 |
| Distance Factor | 0 % |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 0 % |
| FOV Read | 128 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.0 mm |
| TR | 3000.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 2 |

### Geometry - AutoAlign

| | |
|---|---|
| Slice Group | 1 |
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| AutoAlign | --- |
| Initial Position | L0.0 P25.7 F12.9 |
| L | 0.0 mm |
| P | 25.7 mm |
| F | 12.9 mm |
| Initial Orientation | Coronal |
| Initial Rotation | 0.00 deg |

### Geometry - Navigator

### Geometry - Saturation

| | |
|---|---|
| Special Saturation | None |

### Geometry - Tim Planning Suite

| | |
|---|---|
| Set-n-Go Protocol | Off |
| Table Position | 0 mm |
| Table Position | H |

### System - Miscellaneous

| | |
|---|---|
| Coil Selection | Auto Coil Select |
| Radial Sorting | Off |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combination | Sum of Squares |
| Matrix Optimization | Off |
| Coil Focus | Flat |

### System - Adjustments

| | |
|---|---|
| Adjustment Strategy | Standard |
| B0 Shim | Standard |
| B1 Shim | TrueForm |
| Adjustment Tolerance | Auto |
| Adjust with Body Coil | Off |
| Confirm Frequency | Never |
| Assume Silicone | Off |

### System - Adjust Volume

| | |
|---|---|
| Position | L0.0 P25.7 F12.9 mm |
| Orientation | Coronal |
| Rotation | 0.00 deg |
| R >> L | 128 mm |
| F >> H | 128 mm |
| A >> P | 20 mm |
| Reset | Off |

### System - pTx

| | |
|---|---|
| B1 Shim | TrueForm |
| Excitation | Standard |

### System - Tx/Rx

| | |
|---|---|
| Frequency 1H | 297.178714 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

### Physio - Signal

| | |
|---|---|
| 1st Signal/Mode | None |
| TR | 3000.0 ms |
| Multi-band accel. factor | 2 |

### Physio - PACE

| | |
|---|---|
| Resp. Control | Off |
| Multi-band accel. factor | 2 |

### Diff

| | |
|---|---|
| Diffusion Mode | MDDW |
| Diff. Directions | 6 |
| Diffusion Scheme | Bipolar |
| Diff. Weightings | 2 |
| b-value 1 | 0 s/mm² |
| b-value 2 | 1000 s/mm² |
| Averages 1 | 1 |
| Averages 2 | 1 |
| Dynamic Field Correction | Off |
| Invert Gray Scale | Off |
| Diff. Weighted Images | On |
| Trace Weighted Images | Off |
| Tensor | Off |
| FA Maps | Off |
| ADC Maps | Off |
| Exponential ADC Maps | Off |
| Calculated Image | Off |

### Inline - Open Recon

| | |
|---|---|
| Algorithm | None |

### Sequence - Part 1

| | |
|---|---|
| Sequence Name | epse |
| Dimension | 2D |
| Excitation | Standard |
| Gradient Mode | Normal |
| Bandwidth | 2232 Hz/Px |
| Echo Spacing | 0.61 ms |
| Free Echo Spacing | Off |
| EPI Factor | 64 |

### Sequence - Part 2

| | |
|---|---|
| Introduction | Off |
| RF Spoiling | Off |
| Phase Correction | Internal |

### Sequence - Special

| | |
|---|---|
| Excite pulse duration | 2560 us |
| Refocus pulse duration | 5120 us |
| Min. prep scans | 0 |
| Min. prep scans SB | 0 |
| Delay before PC scans | 0 us |
| Single-band images | Off |
| MB LeakBlock kernel | On |
| MB dual kernel | Off |
| Opt. MB RF pulse BW | Off |
| Time-shifted MB RF | Off |
| SENSE1 coil combine | Off |
| Invert RO/PE polarity | Off |
| PF omits higher k-space | Off |
| Disable B1 control loop | Off |
| Disable freq. update | Off |
| Suppress 16-bit DICOM | Off |
| Force equal slice timing | Off |

### Sequence - Special

| | |
|---|---|
| Online multi-band recon. | Online |
| FFT scale factor | 1.00 |
| Fat saturation FA | 110.00 deg |
| Fat sat. offset | 0.00 Hz |
| Physio recording | Off |

### Sequence - Assistant

| | |
|---|---|
| SAR Assistant | Off |