

| |
|-------------------|
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| |
|--------|
| \\User |
|--------|

| |
|------|
| Head |
|------|

| |
|----------|
| Epilepsy |
|----------|

| |
|--------------------------|
| sola_xa61_c spine_trauma |
|--------------------------|

| | | |
|-----------------------|-------|---|
| Localiser | haste | * |
| t2_qtse_sag | 2.5mm | * |
| t1_qtse_sag | 2.5mm | * |
| t2_stir_qtse_sag | 3mm | * |
| t2_stir_qtse_Cor | 2.5mm | * |
| t2_tra_3mm | | * |
| resolve_diff_sag_b800 | | * |
| tra | medic | * |
| t2_stir_qtse_sag | 3mm | * |

\\User\Head\Epilepsy\sola_xa61_c spine_trauma\Localiser haste *

TA: 14 sec Coil Selection: Auto Voxel Size: 1.4×1.4×6.0 mm³ Acc.: None Rel. SNR: 1.00**Properties**

| | |
|---|--------------------|
| Start measurement without further preparation | Off |
| 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 | On |
| Load Images to Graphic Segments | On |
| Graphic segment | Default |
| Inline Movie | Off |

Contrast - Common

| | |
|----------------|-----------|
| Reconstruction | Magnitude |
|----------------|-----------|

Contrast - Dynamic

| | |
|-----------------|----------|
| Dynamic Mode | Standard |
| Measurements | 1 |
| Multiple Series | Off |

Resolution - Common

| | |
|------------------|---------|
| FOV Read | 350 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 6.0 mm |
| Base Resolution | 256 |
| Phase Resolution | 100 % |
| Interpolation | 1.00 |

Routine

| | |
|---------------------|--------------------|
| Slice Group | 1 |
| Slices | 4 |
| Distance Factor | 100 % |
| Position | L0.0 P49.0 H0.0 mm |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Slice Group | 2 |
| Slices | 4 |
| Distance Factor | 100 % |
| Position | L0.0 P49.0 H0.0 mm |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Phase Oversampling | 0 % |
| FOV Read | 350 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 6.0 mm |
| TR | 1500.0 ms |
| TE | 102.00 ms |
| Averages | 1 |
| Concatenations | 7 |
| AutoAlign | --- |

Resolution - Acceleration

| | |
|-----------------------|------|
| Acceleration Mode | None |
| Deep Resolve | Off |
| Phase Partial Fourier | 5/8 |

Resolution - Filter

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

Geometry - Common

| | |
|---------------------|--------------------|
| Slice Group | 1 |
| Slices | 4 |
| Distance Factor | 100 % |
| Position | L0.0 P49.0 H0.0 mm |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Slice Group | 2 |
| Slices | 4 |
| Distance Factor | 100 % |
| Position | L0.0 P49.0 H0.0 mm |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Phase Oversampling | 0 % |
| FOV Read | 350 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 6.0 mm |
| TR | 1500.0 ms |
| Multi-Slice Mode | Single Shot |
| Series | Interleaved |
| Concatenations | 7 |

Contrast - Common

| | |
|--------------------|-----------|
| TR | 1500.0 ms |
| TE | 102.00 ms |
| TD | 0.00 ms |
| MTC | Off |
| Magn. Preparation | None |
| Flip Angle Mode | Constant |
| Flip Angle 1 | 150 deg |
| Flip Angle 2 | 90 deg |
| Fat-Water Contrast | Standard |
| Dark Blood | Off |
| Contrasts | 1 |
| Wrap-up Magn. | None |

Geometry - AutoAlign

| | |
|---------------------|--------------------|
| Slice Group | 1 |
| Position | L0.0 P49.0 H0.0 mm |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| Slice Group | 2 |
| Position | L0.0 P49.0 H0.0 mm |
| Orientation | Sagittal |
| Phase Encoding Dir. | A >> P |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| F | 0.0 mm |
| Initial Orientation | Transversal |
| Initial Rotation | 0.00 deg |

Geometry - Navigator**Geometry - Saturation**

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

Geometry - Tim Planning Suite

| | |
|-------------------|-------|
| Set-n-Go Protocol | Off |
| Table Position | 15 mm |
| Table Position | F |
| Inline Composing | Off |

System - Miscellaneous

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

System - Adjustments

| | |
|-----------------------|----------|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| CoilShim | Off |
| 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 |

System - Adjust Volume

| | |
|-------|-----|
| Reset | Off |
|-------|-----|

System - Tx/Rx

| | |
|---------------------|---------------|
| Frequency 1H | 63.665415 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

Physio - Signal

| | |
|-----------------|-----------|
| 1st Signal/Mode | None |
| TR | 1500.0 ms |
| Concatenations | 7 |

Physio - Cardiac

| | |
|--------------------|----------|
| Fat-Water Contrast | Standard |
| Magn. Preparation | None |
| Dark Blood | Off |
| FOV Read | 350 mm |
| FOV Phase | 100.0 % |
| Phase Resolution | 100 % |
| Motion Correction | None |

Physio - PACE

| | |
|----------------|-----|
| Resp. Control | Off |
| Concatenations | 7 |

Inline - Subtraction

| | |
|----------------------|------|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Motion Correction | None |
| 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 - Composing

| | |
|------------------|-----|
| Inline Composing | Off |
|------------------|-----|

Sequence - Part 1

| | |
|-------------------|-----------|
| Sequence Name | h |
| Dimension | 2D |
| RF Pulse Type | Normal |
| Gradient Mode | Normal |
| Flow Compensation | None |
| Bandwidth | 399 Hz/Px |

Sequence - Part 1

| | |
|--------------|---------|
| Echo Spacing | 4.86 ms |
| Turbo Factor | 256 |

Sequence - Part 2

| | |
|-------------------|------|
| Introduction | On |
| Motion Correction | None |

Sequence - Assistant

| | |
|---------------|------|
| SAR Assistant | Off |
| Allowed Delay | 30 s |

\\User\Head\Epilepsy\sola_xa61_c spine_trauma\t2_qtse_sag 2.5mm *

TA: 2:53 min Coil Selection: Auto Voxel Size: 0.3×0.3×2.5 mm³ Acc:: 2 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 | On |
| Load Images to Graphic Segments | On |
| Graphic segment | Default |
| Inline Movie | Off |

Resolution - Common

| | |
|------------------|--------|
| FOV Read | 180 mm |
| FOV Phase | 97.4 % |
| Slice Thickness | 2.5 mm |
| Base Resolution | 304 |
| Phase Resolution | 70 % |
| Interpolation | On |

Resolution - Acceleration

| | |
|------------------------|------------|
| Acceleration Mode | GRAPPA |
| Reference Scans | Integrated |
| Acceleration Factor PE | 2 |
| Reference Lines PE | 42 |
| Deep Resolve | On |
| Phase Partial Fourier | Off |

Routine

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Slices | 17 |
| Distance Factor | 10 % |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| Phase Oversampling | 140 % |
| FOV Read | 180 mm |
| FOV Phase | 97.4 % |
| Slice Thickness | 2.5 mm |
| TR | 3730.0 ms |
| TE | 86.00 ms |
| Averages | 3 |
| Concatenations | 1 |
| AutoAlign | --- |

Resolution - Filter

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

Geometry - Common

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Slices | 17 |
| Distance Factor | 10 % |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| Phase Oversampling | 140 % |
| FOV Read | 180 mm |
| FOV Phase | 97.4 % |
| Slice Thickness | 2.5 mm |
| TR | 3730.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

Contrast - Common

| | |
|--------------------|-----------|
| TR | 3730.0 ms |
| TE | 86.00 ms |
| MTC | Off |
| Magn. Preparation | None |
| Flip Angle 1 | 150 deg |
| Flip Angle 2 | 90 deg |
| Fat-Water Contrast | Standard |
| Dark Blood | Off |
| Contrasts | 1 |
| Wrap-up Magn. | Restore |
| Reconstruction | Magnitude |

Contrast - Dynamic

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

Geometry - AutoAlign

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| AutoAlign | --- |
| Initial Position | R12.5 P52.6 H40.9 |
| R | 12.5 mm |
| P | 52.6 mm |
| H | 40.9 mm |
| Initial Orientation | S > T |
| S > T | 1.20 |

Geometry - AutoAlign

| | |
|------------------|-----------|
| > C | -0.20 |
| Initial Rotation | 90.00 deg |

Geometry - Navigator**Geometry - Saturation**

| | |
|--------------------|---------------------|
| Saturation Region | 1 |
| Thickness | 80.00 mm |
| Position | R9.1 A14.8 H12.3 mm |
| Orientation | C > T-6.4 > S-0.4 |
| Shape | Standard |
| Saturation Region | 2 |
| Thickness | 80.00 mm |
| Position | R9.1 A14.8 H12.3 mm |
| Orientation | C > T-6.4 > S-0.4 |
| Shape | Standard |
| Special Saturation | None |

Geometry - Tim Planning Suite

| | |
|-------------------|-------|
| Set-n-Go Protocol | Off |
| Table Position | 41 mm |
| Table Position | H |
| Inline Composing | Off |

System - Miscellaneous

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

System - Adjustments

| | |
|-----------------------|----------|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| CoilShim | Off |
| 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 - Tx/Rx

| | |
|---------------------|---------------|
| Frequency 1H | 63.665415 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

Physio - Signal

| | |
|-----------------|-----------|
| 1st Signal/Mode | None |
| TR | 3730.0 ms |
| Concatenations | 1 |

Physio - Cardiac

| | |
|--------------------|----------|
| Fat-Water Contrast | Standard |
| Magn. Preparation | None |
| Dark Blood | Off |
| FOV Read | 180 mm |
| FOV Phase | 97.4 % |
| Phase Resolution | 70 % |
| Motion Correction | None |

Physio - PACE

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

Inline - Subtraction

| | |
|----------------------|------|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Motion Correction | None |
| 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 - Composing

| | |
|------------------|-----|
| Inline Composing | Off |
|------------------|-----|

Sequence - Part 1

| | |
|-------------------|--------------|
| Sequence Name | qtseR_rr |
| Dimension | 2D |
| RF Pulse Type | Normal |
| Gradient Mode | Normal |
| Flow Compensation | Read |
| Bandwidth | 203 Hz/Px |
| Echo Spacing | 10.7 ms |
| Free Echo Spacing | On |
| Define | Turbo Factor |

Sequence - Part 1

| | |
|-----------------------|----|
| Turbo Factor | 18 |
| Echo Trains per Slice | 15 |

Sequence - Part 2

| | |
|--------------------------|-----------|
| Introduction | On |
| Phase Correction | Automatic |
| Compensate T2 Decay | Off |
| Fast Mode | Off |
| WARP | Off |
| Red. EC Sensitivity | Off |
| Acoustic noise reduction | On |
| Reduce Motion Sens. | On |
| Motion Correction | None |

Sequence - Assistant

| | |
|---------------|------|
| SAR Assistant | Off |
| Allowed Delay | 30 s |

\\User\Head\Epilepsy\sola_xa61_c spine_trauma\t1_qtse_sag 2.5mm *

TA: 2:42 min Coil Selection: Auto Voxel Size: 0.3×0.3×2.5 mm³ Acc:: 2 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 | On |
| Load Images to Graphic Segments | On |
| Graphic segment | Default |
| Inline Movie | Off |

Resolution - Common

| | |
|------------------|---------|
| FOV Read | 180 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.5 mm |
| Base Resolution | 272 |
| Phase Resolution | 70 % |
| Interpolation | On |

Resolution - Acceleration

| | |
|------------------------|------------|
| Acceleration Mode | GRAPPA |
| Reference Scans | Integrated |
| Acceleration Factor PE | 2 |
| Reference Lines PE | 27 |
| Deep Resolve | On |
| Phase Partial Fourier | Off |

Routine

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Slices | 17 |
| Distance Factor | 10 % |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| Phase Oversampling | 200 % |
| FOV Read | 180 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.5 mm |
| TR | 400.0 ms |
| TE | 11.00 ms |
| Averages | 2 |
| Concatenations | 2 |
| AutoAlign | --- |

Resolution - Filter

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

Geometry - Common

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Slices | 17 |
| Distance Factor | 10 % |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| Phase Oversampling | 200 % |
| FOV Read | 180 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 2.5 mm |
| TR | 400.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 2 |

Contrast - Common

| | |
|--------------------|-----------|
| TR | 400.0 ms |
| TE | 11.00 ms |
| TD | 0.00 ms |
| MTC | Off |
| Magn. Preparation | None |
| Flip Angle 1 | 150 deg |
| Flip Angle 2 | 90 deg |
| Fat-Water Contrast | Standard |
| Dark Blood | Off |
| Contrasts | 1 |
| Wrap-up Magn. | None |
| Reconstruction | Magnitude |

Geometry - AutoAlign

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| AutoAlign | --- |
| Initial Position | R12.5 P52.6 H40.9 |
| R | 12.5 mm |
| P | 52.6 mm |
| H | 40.9 mm |
| Initial Orientation | S > T |
| S > T | 1.20 |

Contrast - Dynamic

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

Geometry - AutoAlign

| | |
|------------------|-----------|
| > C | -0.20 |
| Initial Rotation | 90.00 deg |

Geometry - Navigator**Geometry - Saturation**

| | |
|--------------------|---------------------|
| Saturation Region | 1 |
| Thickness | 80.00 mm |
| Position | R9.1 A14.8 H12.3 mm |
| Orientation | C > T-6.4 > S-0.4 |
| Shape | Standard |
| Special Saturation | None |

Geometry - Tim Planning Suite

| | |
|-------------------|-------|
| Set-n-Go Protocol | Off |
| Table Position | 41 mm |
| Table Position | H |
| Inline Composing | Off |

System - Miscellaneous

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

System - Adjustments

| | |
|-----------------------|----------|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| CoilShim | Off |
| 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 - Tx/Rx

| | |
|---------------------|---------------|
| Frequency 1H | 63.665415 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

Physio - Signal

| | |
|-----------------|----------|
| 1st Signal/Mode | None |
| TR | 400.0 ms |
| Concatenations | 2 |

Physio - Cardiac

| | |
|--------------------|----------|
| Fat-Water Contrast | Standard |
| Magn. Preparation | None |
| Dark Blood | Off |
| FOV Read | 180 mm |
| FOV Phase | 100.0 % |
| Phase Resolution | 70 % |
| Motion Correction | None |

Physio - PACE

| | |
|----------------|-----|
| Resp. Control | Off |
| Concatenations | 2 |

Inline - Subtraction

| | |
|----------------------|------|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Motion Correction | None |
| 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 - Composing

| | |
|------------------|-----|
| Inline Composing | Off |
|------------------|-----|

Sequence - Part 1

| | |
|-----------------------|--------------|
| Sequence Name | qtse_rr |
| Dimension | 2D |
| RF Pulse Type | Normal |
| Gradient Mode | Normal |
| Flow Compensation | Read |
| Bandwidth | 202 Hz/Px |
| Echo Spacing | 10.6 ms |
| Free Echo Spacing | On |
| Define | Turbo Factor |
| Turbo Factor | 3 |
| Echo Trains per Slice | 100 |

Sequence - Part 2

| | |
|------------------|-----------|
| Introduction | On |
| Phase Correction | Automatic |

Sequence - Part 2

| | |
|--------------------------|------|
| Compensate T2 Decay | Off |
| Fast Mode | Off |
| WARP | Off |
| Red. EC Sensitivity | Off |
| Acoustic noise reduction | On |
| Reduce Motion Sens. | On |
| Motion Correction | None |

Sequence - Assistant

| | |
|---------------|------|
| SAR Assistant | Off |
| Allowed Delay | 30 s |

\\User\Head\Epilepsy\sola_xa61_c spine_trauma\t2_stir_qtse_sag 3mm *

TA: 3:11 min Coil Selection: Auto Voxel Size: 0.4×0.4×3.0 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 | On |
| Load Images to Graphic Segments | On |
| Graphic segment | Default |
| Inline Movie | Off |

Resolution - Common

| | |
|------------------|---------|
| FOV Read | 180 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 3.0 mm |
| Base Resolution | 256 |
| Phase Resolution | 75 % |
| Interpolation | On |

Resolution - Acceleration

| | |
|------------------------|------------|
| Acceleration Mode | GRAPPA |
| Reference Scans | Integrated |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 28 |
| Deep Resolve | On |
| Phase Partial Fourier | Off |

Routine

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Slices | 15 |
| Distance Factor | 10 % |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| Phase Oversampling | 180 % |
| FOV Read | 180 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 3.0 mm |
| TR | 4200.0 ms |
| TE | 75.00 ms |
| Averages | 2 |
| Concatenations | 1 |
| AutoAlign | --- |

Resolution - Filter

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

Geometry - Common

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Slices | 15 |
| Distance Factor | 10 % |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| Phase Oversampling | 180 % |
| FOV Read | 180 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 3.0 mm |
| TR | 4200.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

Contrast - Common

| | |
|----------------------|---------------|
| TR | 4200.0 ms |
| TE | 75.00 ms |
| MTC | Off |
| Magn. Preparation | Slice-sel. IR |
| TI | 160 ms |
| Freeze Suppr. Tissue | Off |
| Flip Angle 1 | 150 deg |
| Flip Angle 2 | 90 deg |
| Fat-Water Contrast | Standard |
| Dark Blood | Off |
| Contrasts | 1 |
| Wrap-up Magn. | Restore |
| Reconstruction | Magnitude |

Geometry - AutoAlign

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| AutoAlign | --- |
| Initial Position | R12.5 P52.6 H40.9 |
| R | 12.5 mm |
| P | 52.6 mm |
| H | 40.9 mm |
| Initial Orientation | S > T |
| S > T | 1.20 |

Contrast - Dynamic

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

Geometry - AutoAlign

| | |
|------------------|-----------|
| > C | -0.20 |
| Initial Rotation | 90.00 deg |

Geometry - Navigator**Geometry - Saturation**

| | |
|--------------------|---------------------|
| Saturation Region | 1 |
| Thickness | 80.00 mm |
| Position | R9.1 A14.8 H12.3 mm |
| Orientation | C > T-6.4 > S-0.4 |
| Shape | Standard |
| Saturation Region | 2 |
| Thickness | 80.00 mm |
| Position | R9.1 A14.8 H12.3 mm |
| Orientation | C > T-6.4 > S-0.4 |
| Shape | Standard |
| Special Saturation | None |

Geometry - Tim Planning Suite

| | |
|-------------------|-------|
| Set-n-Go Protocol | Off |
| Table Position | 41 mm |
| Table Position | H |
| Inline Composing | Off |

System - Miscellaneous

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

System - Adjustments

| | |
|-----------------------|----------|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| CoilShim | Off |
| 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 - Tx/Rx

| | |
|---------------------|---------------|
| Frequency 1H | 63.665415 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

Physio - Signal

| | |
|-----------------|-----------|
| 1st Signal/Mode | None |
| TR | 4200.0 ms |
| Concatenations | 1 |

Physio - Cardiac

| | |
|--------------------|---------------|
| Fat-Water Contrast | Standard |
| Magn. Preparation | Slice-sel. IR |
| TI | 160 ms |
| Dark Blood | Off |
| FOV Read | 180 mm |
| FOV Phase | 100.0 % |
| Phase Resolution | 75 % |
| Motion Correction | None |

Physio - PACE

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

Inline - Subtraction

| | |
|----------------------|------|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Motion Correction | None |
| 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 - Composing

| | |
|------------------|-----|
| Inline Composing | Off |
|------------------|-----|

Sequence - Part 1

| | |
|-------------------|-----------|
| Sequence Name | qtirR_rr |
| Dimension | 2D |
| RF Pulse Type | Normal |
| Gradient Mode | Fast |
| Flow Compensation | Read |
| Bandwidth | 203 Hz/Px |
| Echo Spacing | 10.7 ms |
| Free Echo Spacing | On |

Sequence - Part 1

| | |
|-----------------------|--------------|
| Define | Turbo Factor |
| Turbo Factor | 9 |
| Echo Trains per Slice | 22 |

Sequence - Part 2

| | |
|--------------------------|-----------|
| Introduction | On |
| Phase Correction | Automatic |
| Compensate T2 Decay | Off |
| Fast Mode | Off |
| WARP | Off |
| Red. EC Sensitivity | Off |
| Acoustic noise reduction | On |
| Reduce Motion Sens. | On |
| Motion Correction | None |

Sequence - Assistant

| | |
|---------------|------|
| SAR Assistant | Off |
| Allowed Delay | 30 s |

\\User\Head\Epilepsy\sola_xa61_c spine_trauma\t2_stir_qtse_Cor 2.5mm *

TA: 3:35 min Coil Selection: Auto Voxel Size: 0.4×0.4×2.5 mm³ Acc:: 2 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 | On |
| Load Images to Graphic Segments | On |
| Graphic segment | Default |
| Inline Movie | Off |

Resolution - Common

| | |
|------------------|--------|
| FOV Read | 180 mm |
| FOV Phase | 93.8 % |
| Slice Thickness | 2.5 mm |
| Base Resolution | 256 |
| Phase Resolution | 75 % |
| Interpolation | On |

Resolution - Acceleration

| | |
|------------------------|------------|
| Acceleration Mode | GRAPPA |
| Reference Scans | Integrated |
| Acceleration Factor PE | 2 |
| Reference Lines PE | 35 |
| Deep Resolve | On |
| Phase Partial Fourier | Off |

Routine

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Slices | 15 |
| Distance Factor | 10 % |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 160 % |
| FOV Read | 180 mm |
| FOV Phase | 93.8 % |
| Slice Thickness | 2.5 mm |
| TR | 4550.0 ms |
| TE | 75.00 ms |
| Averages | 2 |
| Concatenations | 1 |
| AutoAlign | --- |

Resolution - Filter

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

Geometry - Common

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Slices | 15 |
| Distance Factor | 10 % |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| Phase Oversampling | 160 % |
| FOV Read | 180 mm |
| FOV Phase | 93.8 % |
| Slice Thickness | 2.5 mm |
| TR | 4550.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

Contrast - Common

| | |
|----------------------|---------------|
| TR | 4550.0 ms |
| TE | 75.00 ms |
| MTC | Off |
| Magn. Preparation | Slice-sel. IR |
| TI | 160 ms |
| Freeze Suppr. Tissue | Off |
| Flip Angle 1 | 150 deg |
| Flip Angle 2 | 90 deg |
| Fat-Water Contrast | Standard |
| Dark Blood | Off |
| Contrasts | 1 |
| Wrap-up Magn. | None |
| Reconstruction | Magnitude |

Geometry - AutoAlign

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | Coronal |
| Phase Encoding Dir. | R >> L |
| AutoAlign | --- |
| Initial Position | R12.5 P52.6 H40.9 |
| R | 12.5 mm |
| P | 52.6 mm |
| H | 40.9 mm |
| Initial Orientation | Coronal |
| Initial Rotation | 0.00 deg |

Contrast - Dynamic

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

Geometry - Navigator**Geometry - Saturation**

| | |
|--------------------|---------------------|
| Saturation Region | 1 |
| Thickness | 80.00 mm |
| Position | R9.1 A14.8 H12.3 mm |
| Orientation | C > T-6.4 > S-0.4 |
| Shape | Standard |
| Saturation Region | 2 |
| Thickness | 80.00 mm |
| Position | R9.1 A14.8 H12.3 mm |
| Orientation | C > T-6.4 > S-0.4 |
| Shape | Standard |
| Special Saturation | None |

Geometry - Tim Planning Suite

| | |
|-------------------|-------|
| Set-n-Go Protocol | Off |
| Table Position | 41 mm |
| Table Position | H |
| Inline Composing | Off |

System - Miscellaneous

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

System - Adjustments

| | |
|-----------------------|----------|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| CoilShim | Off |
| 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 - Tx/Rx

| | |
|---------------------|---------------|
| Frequency 1H | 63.665415 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

Physio - Signal

| | |
|-----------------|-----------|
| 1st Signal/Mode | None |
| TR | 4550.0 ms |
| Concatenations | 1 |

Physio - Cardiac

| | |
|--------------------|---------------|
| Fat-Water Contrast | Standard |
| Magn. Preparation | Slice-sel. IR |
| TI | 160 ms |
| Dark Blood | Off |
| FOV Read | 180 mm |
| FOV Phase | 93.8 % |
| Phase Resolution | 75 % |
| Motion Correction | None |

Physio - PACE

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

Inline - Subtraction

| | |
|----------------------|------|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Motion Correction | None |
| 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 - Composing

| | |
|------------------|-----|
| Inline Composing | Off |
|------------------|-----|

Sequence - Part 1

| | |
|-----------------------|--------------|
| Sequence Name | qtir_rr |
| Dimension | 2D |
| RF Pulse Type | Normal |
| Gradient Mode | Fast |
| Flow Compensation | Read |
| Bandwidth | 203 Hz/Px |
| Echo Spacing | 10.7 ms |
| Free Echo Spacing | On |
| Define | Turbo Factor |
| Turbo Factor | 11 |
| Echo Trains per Slice | 23 |

Sequence - Part 2

| | |
|--------------|----|
| Introduction | On |
|--------------|----|

Sequence - Part 2

| | |
|--------------------------|-----------|
| Phase Correction | Automatic |
| Compensate T2 Decay | Off |
| Fast Mode | Off |
| WARP | Off |
| Red. EC Sensitivity | Off |
| Acoustic noise reduction | On |
| Reduce Motion Sens. | On |
| Motion Correction | None |

Sequence - Assistant

| | |
|---------------|------|
| SAR Assistant | Off |
| Allowed Delay | 30 s |

\\User\Head\Epilepsy\sola_xa61_c spine_trauma\t2_tra_3mm *

TA: 2:24 min Coil Selection: Auto Voxel Size: 0.4×0.4×3.5 mm³ Acc:: 2 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 | On |
| Load Images to Graphic Segments | On |
| Graphic segment | Default |
| Inline Movie | Off |

Resolution - Common

| | |
|------------------|--------|
| FOV Read | 150 mm |
| FOV Phase | 80.8 % |
| Slice Thickness | 3.5 mm |
| Base Resolution | 208 |
| Phase Resolution | 80 % |
| Interpolation | On |

Resolution - Acceleration

| | |
|------------------------|--------------|
| Acceleration Mode | GRAPPA |
| Reference Scans | TSE/Separate |
| Acceleration Factor PE | 2 |
| Reference Lines PE | 48 |
| Deep Resolve | On |
| Phase Partial Fourier | Off |

Routine

| | |
|---------------------|---------------------|
| Slice Group | 1 |
| Slices | 30 |
| Distance Factor | 25 % |
| Position | R6.7 P53.9 H44.3 mm |
| Orientation | T > C7.7 > S-1.0 |
| Phase Encoding Dir. | P >> A |
| Phase Oversampling | 100 % |
| FOV Read | 150 mm |
| FOV Phase | 80.8 % |
| Slice Thickness | 3.5 mm |
| TR | 4000.0 ms |
| TE | 100.00 ms |
| Averages | 2 |
| Concatenations | 2 |
| AutoAlign | --- |

Resolution - Filter

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

Geometry - Common

| | |
|---------------------|---------------------|
| Slice Group | 1 |
| Slices | 30 |
| Distance Factor | 25 % |
| Position | R6.7 P53.9 H44.3 mm |
| Orientation | T > C7.7 > S-1.0 |
| Phase Encoding Dir. | P >> A |
| Phase Oversampling | 100 % |
| FOV Read | 150 mm |
| FOV Phase | 80.8 % |
| Slice Thickness | 3.5 mm |
| TR | 4000.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 2 |

Contrast - Common

| | |
|--------------------|-----------|
| TR | 4000.0 ms |
| TE | 100.00 ms |
| TD | 0.00 ms |
| MTC | Off |
| Magn. Preparation | None |
| Flip Angle 1 | 180 deg |
| Flip Angle 2 | 90 deg |
| Fat-Water Contrast | Standard |
| Dark Blood | Off |
| Contrasts | 1 |
| Wrap-up Magn. | Restore |
| Reconstruction | Magnitude |

Contrast - Dynamic

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

Geometry - AutoAlign

| | |
|---------------------|---------------------|
| Slice Group | 1 |
| Position | R6.7 P53.9 H44.3 mm |
| Orientation | T > C7.7 > S-1.0 |
| Phase Encoding Dir. | P >> A |
| AutoAlign | --- |
| Initial Position | R6.7 P53.9 H44.3 |
| R | 6.7 mm |
| P | 53.9 mm |
| H | 44.3 mm |
| Initial Orientation | T > C |
| T > C | 7.70 |

Geometry - AutoAlign

| | |
|------------------|-------------|
| > S | -1.00 |
| Initial Rotation | -180.00 deg |

Geometry - Navigator**Geometry - Saturation**

| | |
|--------------------|----------------------|
| Saturation Region | 1 |
| Thickness | 71.00 mm |
| Position | R19.0 A13.8 H14.6 mm |
| Orientation | C > T-7.2 > S-0.1 |
| Shape | Standard |
| Saturation Region | 2 |
| Thickness | 71.00 mm |
| Position | R19.0 A13.8 H14.6 mm |
| Orientation | C > T-7.2 > S-0.1 |
| Shape | Standard |
| Special Saturation | None |

Geometry - Tim Planning Suite

| | |
|-------------------|-------|
| Set-n-Go Protocol | Off |
| Table Position | 44 mm |
| Table Position | H |
| Inline Composing | Off |

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

| | |
|-------------|---------------------|
| Position | R6.7 P53.9 H44.3 mm |
| Orientation | T > C7.7 > S-1.0 |
| Rotation | 180.00 deg |
| A >> P | 122 mm |
| R >> L | 150 mm |
| F >> H | 131 mm |
| Reset | Off |

System - Tx/Rx

| | |
|---------------------|---------------|
| Frequency 1H | 63.665415 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

Physio - Signal

| | |
|-----------------|-----------|
| 1st Signal/Mode | None |
| TR | 4000.0 ms |
| Concatenations | 2 |

Physio - Cardiac

| | |
|--------------------|----------|
| Fat-Water Contrast | Standard |
| Magn. Preparation | None |
| Dark Blood | Off |
| FOV Read | 150 mm |
| FOV Phase | 80.8 % |
| Phase Resolution | 80 % |
| Motion Correction | None |

Physio - PACE

| | |
|----------------|-----|
| Resp. Control | Off |
| Concatenations | 2 |

Inline - Subtraction

| | |
|----------------------|------|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Motion Correction | None |
| 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 - Composing

| | |
|------------------|-----|
| Inline Composing | Off |
|------------------|-----|

Sequence - Part 1

| | |
|-------------------|--------------|
| Sequence Name | tseR_rs |
| Dimension | 2D |
| RF Pulse Type | Normal |
| Gradient Mode | Fast |
| Flow Compensation | Slice |
| Bandwidth | 160 Hz/Px |
| Echo Spacing | 12.5 ms |
| Free Echo Spacing | On |
| Define | Turbo Factor |

Sequence - Part 1

| | |
|-----------------------|----|
| Turbo Factor | 19 |
| Echo Trains per Slice | 8 |

Sequence - Part 2

| | |
|--------------------------|-----------|
| Introduction | On |
| Phase Correction | Automatic |
| Compensate T2 Decay | Off |
| Fast Mode | Off |
| WARP | Off |
| Red. EC Sensitivity | Off |
| Acoustic noise reduction | Off |
| Reduce Motion Sens. | On |
| Motion Correction | None |

Sequence - Assistant

| | |
|---------------|------|
| SAR Assistant | Off |
| Allowed Delay | 20 s |

\\User\Head\Epilepsy\sola_xa61_c spine_trauma\resolve_diff_sag_b800 *

TA: 2:54 min Coil Selection: Auto Voxel Size: 0.7×0.7×3.0 mm³ Acc:: 2 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 |

Resolution - Common

| | |
|------------------|--------|
| FOV Phase | 59.8 % |
| Slice Thickness | 3.0 mm |
| Base Resolution | 164 |
| Phase Resolution | 100 % |
| Interpolation | On |

Resolution - Acceleration

| | |
|-------------------------|--------------|
| Accel. Mode | GRAPPA |
| Reference Scans | EPI/Separate |
| Acceleration Factor PE | 2 |
| Reference Lines PE | 72 |
| Phase Partial Fourier | Off |
| Readout Partial Fourier | 5/8 |
| Readout Segments | 5 |

Routine

| | |
|---------------------|--------------------|
| Slice Group | 1 |
| Slices | 15 |
| Distance Factor | 10 % |
| Position | R3.8 P55.0 H1.9 mm |
| Orientation | S > T2.6 > C-0.5 |
| Phase Encoding Dir. | A >> P |
| Phase Oversampling | 45 % |
| FOV Read | 220 mm |
| FOV Phase | 59.8 % |
| Slice Thickness | 3.0 mm |
| TR | 3440.0 ms |
| TE 1 | 55 ms |
| TE 2 | 88 ms |
| Concatenations | 1 |
| AutoAlign | --- |

Resolution - Filter

| | |
|-----------------------|---------|
| Raw Filter | On |
| Distortion Correction | 2D |
| Normalize | Prescan |
| Noise Masking | Off |

Geometry - Common

| | |
|---------------------|--------------------|
| Slice Group | 1 |
| Slices | 15 |
| Distance Factor | 10 % |
| Position | R3.8 P55.0 H1.9 mm |
| Orientation | S > T2.6 > C-0.5 |
| Phase Encoding Dir. | A >> P |
| Phase Oversampling | 45 % |
| FOV Read | 220 mm |
| FOV Phase | 59.8 % |
| Slice Thickness | 3.0 mm |
| TR | 3440.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

Contrast - Common

| | |
|--------------------|----------------|
| TR | 3440.0 ms |
| TE 1 | 55 ms |
| TE 2 | 88 ms |
| MTC | Off |
| Magn. Preparation | None |
| Flip Angle | 180 deg |
| Fat-Water Contrast | Fat Saturation |
| Fat Saturation | Strong |
| Contrasts | 2 |
| Reconstruction | Magnitude |

Contrast - Dynamic

| | |
|--------------|----------|
| Dynamic Mode | Standard |
| Measurements | 1 |

Resolution - Common

| | |
|----------|--------|
| FOV Read | 220 mm |
|----------|--------|

Geometry - AutoAlign

| | |
|---------------------|--------------------|
| Slice Group | 1 |
| Position | R3.8 P55.0 H1.9 mm |
| Orientation | S > T2.6 > C-0.5 |
| Phase Encoding Dir. | A >> P |
| AutoAlign | --- |
| Initial Position | R3.8 P55.0 H1.9 |
| R | 3.8 mm |
| P | 55.0 mm |
| H | 1.9 mm |
| Initial Orientation | S > T |
| S > T | 2.60 |
| > C | -0.50 |

Geometry - AutoAlign

| | |
|------------------|----------|
| Initial Rotation | 0.00 deg |
|------------------|----------|

Geometry - Saturation

| | |
|--------------------|----------------------|
| Saturation Region | 1 |
| Thickness | 50.00 mm |
| Position | R2.4 P111.0 H24.6 mm |
| Orientation | C > T-12.6 > S0.1 |
| Special Saturation | None |

Geometry - Tim Planning Suite

| | |
|-------------------|------|
| Set-n-Go Protocol | Off |
| Table Position | 2 mm |
| Table Position | H |
| Inline Composing | Off |

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

| | |
|-------------|--------------------|
| Position | R3.8 P55.0 H1.9 mm |
| Orientation | S > T2.6 > C-0.5 |
| Rotation | 0.00 deg |
| A >> P | 132 mm |
| F >> H | 220 mm |
| R >> L | 50 mm |
| Reset | Off |

System - Tx/Rx

| | |
|---------------------|---------------|
| Frequency 1H | 63.665415 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

Physio - Signal

| | |
|-----------------|-----------|
| 1st Signal/Mode | None |
| TR | 3440.0 ms |
| Concatenations | 1 |

Diff

| | |
|-----------------------|-----------------------|
| Diffusion Mode | 4-Scan Trace |
| Diff. Directions | 4 |
| Diffusion Scheme | Monopolar |
| Diff. Weightings | 2 |
| b-value 1 | 0 s/mm ² |
| b-value 2 | 800 s/mm ² |
| Averages 1 | 1 |
| Averages 2 | 3 |
| Invert Gray Scale | Off |
| Diff. Weighted Images | Off |
| Trace Weighted Images | On |
| Tensor | Off |
| FA Maps | Off |
| ADC Maps | On |
| Exponential ADC Maps | Off |
| b-value >= | 0 s/mm ² |
| ADC Noise Threshold | 40 |
| Noise Masking | Off |
| Calculated Image | Off |

Sequence - Part 1

| | |
|---------------|-----------|
| Sequence Name | resolve |
| Dimension | 2D |
| RF Pulse Type | Normal |
| Gradient Mode | Fast |
| Bandwidth | 897 Hz/Px |
| Echo Spacing | 0.36 ms |
| Optimization | Min. TE |
| EPI Factor | 72 |

Sequence - Part 2

| | |
|--------------------|----|
| Introduction | On |
| Reacquisition Mode | On |

Sequence - Assistant

| | |
|---------------|---------|
| SAR Assistant | Off |
| Optimization | Min. TE |

\\User\Head\Epilepsy\sola_xa61_c spine_trauma\tra medic *

TA: 2:33 min Coil Selection: Auto Voxel Size: 0.4×0.4×3.5 mm³ Acc:: None 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 | On |
| Load Images to Graphic Segments | On |
| Graphic segment | Default |
| Inline Movie | Off |

Resolution - Common

| | |
|------------------|------|
| Base Resolution | 256 |
| Phase Resolution | 90 % |
| Interpolation | On |

Resolution - Acceleration

| | |
|-----------------------|------|
| Acceleration Mode | None |
| Phase Partial Fourier | 7/8 |

Resolution - Filter

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

Routine

| | |
|---------------------|---------------------|
| Slice Group | 1 |
| Slices | 16 |
| Distance Factor | 30 % |
| Position | R0.5 P24.0 H36.4 mm |
| Orientation | T > C12.0 > S2.0 |
| Phase Encoding Dir. | A >> P |
| Phase Oversampling | 0 % |
| FOV Read | 200 mm |
| FOV Phase | 75.0 % |
| Slice Thickness | 3.5 mm |
| TR | 505.0 ms |
| TE | 14.00 ms |
| Averages | 2 |
| Concatenations | 1 |
| AutoAlign | --- |

Geometry - Common

| | |
|---------------------|---------------------|
| Slice Group | 1 |
| Slices | 16 |
| Distance Factor | 30 % |
| Position | R0.5 P24.0 H36.4 mm |
| Orientation | T > C12.0 > S2.0 |
| Phase Encoding Dir. | A >> P |
| Phase Oversampling | 0 % |
| FOV Read | 200 mm |
| FOV Phase | 75.0 % |
| Slice Thickness | 3.5 mm |
| TR | 505.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

Contrast - Common

| | |
|--------------------|-----------|
| TR | 505.0 ms |
| TE | 14.00 ms |
| MTC | Off |
| Flip Angle | 20 deg |
| Fat-Water Contrast | Standard |
| Combined Echoes | 3 |
| Reconstruction | Magnitude |

Geometry - AutoAlign

| | |
|---------------------|---------------------|
| Slice Group | 1 |
| Position | R0.5 P24.0 H36.4 mm |
| Orientation | T > C12.0 > S2.0 |
| Phase Encoding Dir. | A >> P |
| AutoAlign | --- |
| Initial Position | R0.5 P24.0 H36.4 |
| R | 0.5 mm |
| P | 24.0 mm |
| H | 36.4 mm |
| Initial Orientation | T > C |
| T > C | 12.00 |
| > S | 2.00 |
| Initial Rotation | 0.00 deg |

Contrast - Dynamic

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

Resolution - Common

| | |
|-----------------|--------|
| FOV Read | 200 mm |
| FOV Phase | 75.0 % |
| Slice Thickness | 3.5 mm |

Geometry - Saturation

| | |
|-------------------|--------------------|
| Saturation Region | 1 |
| Thickness | 90.00 mm |
| Position | L0.0 A34.1 F7.7 mm |

Geometry - Saturation

| | |
|--------------------|------------|
| Orientation | C > T-12.7 |
| Special Saturation | None |

Geometry - Tim Planning Suite

| | |
|-------------------|-------|
| Set-n-Go Protocol | Off |
| Table Position | 36 mm |
| Table Position | H |
| Inline Composing | Off |

System - Miscellaneous

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

System - Adjustments

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

System - Adjust Volume

| | |
|-------------|---------------------|
| Position | R0.5 P24.0 H36.4 mm |
| Orientation | T > C12.0 > S2.0 |
| Rotation | 0.00 deg |
| A >> P | 150 mm |
| R >> L | 200 mm |
| F >> H | 72 mm |
| Reset | Off |

System - Tx/Rx

| | |
|---------------------|---------------|
| Frequency 1H | 63.665415 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

Physio - Signal

| | |
|-----------------|----------|
| 1st Signal/Mode | None |
| TR | 505.0 ms |
| Concatenations | 1 |

Inline - Subtraction

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

| | |
|------------------|-----|
| Inline Composing | Off |
|------------------|-----|

Sequence - Part 1

| | |
|-------------------|-----------|
| Sequence Name | me_r |
| Dimension | 2D |
| RF Pulse Type | Normal |
| Gradient Mode | Fast |
| Flow Compensation | On |
| Bandwidth | 195 Hz/Px |

Sequence - Part 2

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

Sequence - Assistant

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

\\User\Head\Epilepsy\sola_xa61_c spine_trauma\t2_stir_qtse_sag 3mm *

TA: 2:22 min Coil Selection: Auto Voxel Size: 0.5×0.5×3.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 1/2**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 | On |
| Load Images to Graphic Segments | On |
| Graphic segment | Default |
| Inline Movie | Off |

Resolution - Common

| | |
|------------------|---------|
| FOV Read | 300 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 3.0 mm |
| Base Resolution | 320 |
| Phase Resolution | 75 % |
| Interpolation | On |

Resolution - Acceleration

| | |
|------------------------|------------|
| Acceleration Mode | GRAPPA |
| Reference Scans | Integrated |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 32 |
| Deep Resolve | On |
| Phase Partial Fourier | Off |

Routine

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Slices | 15 |
| Distance Factor | 10 % |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| Phase Oversampling | 200 % |
| FOV Read | 300 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 3.0 mm |
| TR | 4670.0 ms |
| TE | 75.00 ms |
| Averages | 1 |
| Concatenations | 1 |
| AutoAlign | --- |

Resolution - Filter

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

Geometry - Common

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Slices | 15 |
| Distance Factor | 10 % |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| Phase Oversampling | 200 % |
| FOV Read | 300 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 3.0 mm |
| TR | 4670.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

Contrast - Common

| | |
|----------------------|---------------|
| TR | 4670.0 ms |
| TE | 75.00 ms |
| MTC | Off |
| Magn. Preparation | Slice-sel. IR |
| TI | 160 ms |
| Freeze Suppr. Tissue | Off |
| Flip Angle 1 | 150 deg |
| Flip Angle 2 | 90 deg |
| Fat-Water Contrast | Standard |
| Dark Blood | Off |
| Contrasts | 1 |
| Wrap-up Magn. | Restore |
| Reconstruction | Magnitude |

Geometry - AutoAlign

| | |
|---------------------|----------------------|
| Slice Group | 1 |
| Position | R12.5 P52.6 H40.9 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| AutoAlign | --- |
| Initial Position | R12.5 P52.6 H40.9 |
| R | 12.5 mm |
| P | 52.6 mm |
| H | 40.9 mm |
| Initial Orientation | S > T |
| S > T | 1.20 |

Contrast - Dynamic

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

Geometry - AutoAlign

| | |
|------------------|-----------|
| > C | -0.20 |
| Initial Rotation | 90.00 deg |

Geometry - Navigator**Geometry - Saturation**

| | |
|--------------------|---------------------|
| Saturation Region | 1 |
| Thickness | 80.00 mm |
| Position | R9.1 A14.8 H12.3 mm |
| Orientation | C > T-6.4 > S-0.4 |
| Shape | Standard |
| Saturation Region | 2 |
| Thickness | 80.00 mm |
| Position | R9.1 A14.8 H12.3 mm |
| Orientation | C > T-6.4 > S-0.4 |
| Shape | Standard |
| Special Saturation | None |

Geometry - Tim Planning Suite

| | |
|------------------------|--------|
| Set-n-Go Protocol | On |
| Table Position | 41 mm |
| Table Position | H |
| Disable Voice Commands | Off |
| Inline Composing | On |
| Normalize | Medium |
| Save non-normalized | Off |
| Composing Function | Spine |
| Series Description | |

System - Miscellaneous

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

System - Adjustments

| | |
|-----------------------|----------|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| CoilShim | Off |
| 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 |

System - Adjust Volume

| | |
|--------|--------|
| R >> L | 350 mm |
| F >> H | 350 mm |
| Reset | Off |

System - Tx/Rx

| | |
|---------------------|---------------|
| Frequency 1H | 63.665415 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

Physio - Signal

| | |
|-----------------|-----------|
| 1st Signal/Mode | None |
| TR | 4670.0 ms |
| Concatenations | 1 |

Physio - Cardiac

| | |
|--------------------|---------------|
| Fat-Water Contrast | Standard |
| Magn. Preparation | Slice-sel. IR |
| TI | 160 ms |
| Dark Blood | Off |
| FOV Read | 300 mm |
| FOV Phase | 100.0 % |
| Phase Resolution | 75 % |
| Motion Correction | None |

Physio - PACE

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

Inline - Subtraction

| | |
|----------------------|------|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Motion Correction | None |
| 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 - Composing

| | |
|---------------------|--------|
| Inline Composing | On |
| Normalize | Medium |
| Save non-normalized | Off |
| Composing Function | Spine |
| Series Description | |

Sequence - Part 1

| | |
|-----------------------|--------------|
| Sequence Name | qtirR_rr |
| Dimension | 2D |
| RF Pulse Type | Normal |
| Gradient Mode | Fast |
| Flow Compensation | Read |
| Bandwidth | 203 Hz/Px |
| Echo Spacing | 10.7 ms |
| Free Echo Spacing | On |
| Define | Turbo Factor |
| Turbo Factor | 9 |
| Echo Trains per Slice | 29 |

Sequence - Part 2

| | |
|--------------------------|-----------|
| Introduction | On |
| Phase Correction | Automatic |
| Compensate T2 Decay | Off |
| Fast Mode | Off |
| WARP | Off |
| Red. EC Sensitivity | Off |
| Acoustic noise reduction | On |
| Reduce Motion Sens. | On |
| Motion Correction | None |

Sequence - Assistant

| | |
|---------------|------|
| SAR Assistant | Off |
| Allowed Delay | 30 s |

\\User\Head\Epilepsy\sola_xa61_c spine_trauma\t2_stir_qtse_sag 3mm *

TA: 2:22 min Coil Selection: Auto Voxel Size: 0.5×0.5×3.0 mm³ Acc:: 3 Rel. SNR: 1.00 | Substep: 2/2**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 | On |
| Load Images to Graphic Segments | On |
| Graphic segment | Default |
| Inline Movie | Off |

Resolution - Common

| | |
|------------------|---------|
| FOV Read | 300 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 3.0 mm |
| Base Resolution | 320 |
| Phase Resolution | 75 % |
| Interpolation | On |

Resolution - Acceleration

| | |
|------------------------|------------|
| Acceleration Mode | GRAPPA |
| Reference Scans | Integrated |
| Acceleration Factor PE | 3 |
| Reference Lines PE | 32 |
| Deep Resolve | On |
| Phase Partial Fourier | Off |

Routine

| | |
|---------------------|---------------------|
| Slice Group | 1 |
| Slices | 15 |
| Distance Factor | 10 % |
| Position | R12.5 P52.6 F9.1 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| Phase Oversampling | 200 % |
| FOV Read | 300 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 3.0 mm |
| TR | 4670.0 ms |
| TE | 75.00 ms |
| Averages | 1 |
| Concatenations | 1 |
| AutoAlign | --- |

Resolution - Filter

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

Geometry - Common

| | |
|---------------------|---------------------|
| Slice Group | 1 |
| Slices | 15 |
| Distance Factor | 10 % |
| Position | R12.5 P52.6 F9.1 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| Phase Oversampling | 200 % |
| FOV Read | 300 mm |
| FOV Phase | 100.0 % |
| Slice Thickness | 3.0 mm |
| TR | 4670.0 ms |
| Multi-Slice Mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

Contrast - Common

| | |
|----------------------|---------------|
| TR | 4670.0 ms |
| TE | 75.00 ms |
| MTC | Off |
| Magn. Preparation | Slice-sel. IR |
| TI | 160 ms |
| Freeze Suppr. Tissue | Off |
| Flip Angle 1 | 150 deg |
| Flip Angle 2 | 90 deg |
| Fat-Water Contrast | Standard |
| Dark Blood | Off |
| Contrasts | 1 |
| Wrap-up Magn. | Restore |
| Reconstruction | Magnitude |

Geometry - AutoAlign

| | |
|---------------------|---------------------|
| Slice Group | 1 |
| Position | R12.5 P52.6 F9.1 mm |
| Orientation | S > T1.2 > C-0.2 |
| Phase Encoding Dir. | H >> F |
| AutoAlign | --- |
| Initial Position | R12.5 P52.6 H40.9 |
| R | 12.5 mm |
| P | 52.6 mm |
| H | 40.9 mm |
| Initial Orientation | S > T |
| S > T | 1.20 |

Contrast - Dynamic

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

Geometry - AutoAlign

| | |
|------------------|-----------|
| > C | -0.20 |
| Initial Rotation | 90.00 deg |

Geometry - Navigator**Geometry - Saturation**

| | |
|--------------------|---------------------|
| Saturation Region | 1 |
| Thickness | 80.00 mm |
| Position | R9.1 A14.8 H12.3 mm |
| Orientation | C > T-6.4 > S-0.4 |
| Shape | Standard |
| Saturation Region | 2 |
| Thickness | 80.00 mm |
| Position | R9.1 A14.8 H12.3 mm |
| Orientation | C > T-6.4 > S-0.4 |
| Shape | Standard |
| Special Saturation | None |

Geometry - Tim Planning Suite

| | |
|------------------------|--------|
| Set-n-Go Protocol | On |
| Table Position | 9 mm |
| Table Position | F |
| Disable Voice Commands | Off |
| Inline Composing | On |
| Normalize | Medium |
| Save non-normalized | Off |
| Composing Function | Spine |
| Series Description | |

System - Miscellaneous

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

System - Adjustments

| | |
|-----------------------|----------|
| Adjustment Strategy | Standard |
| B0 Shim | Tune up |
| CoilShim | Off |
| 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 |

System - Adjust Volume

| | |
|--------|--------|
| R >> L | 350 mm |
| F >> H | 350 mm |
| Reset | Off |

System - Tx/Rx

| | |
|---------------------|---------------|
| Frequency 1H | 63.665415 MHz |
| ? Ref. Amplitude 1H | 0.000 V |
| Reset | Off |
| Image Scaling | 1.000 |

Physio - Signal

| | |
|-----------------|-----------|
| 1st Signal/Mode | None |
| TR | 4670.0 ms |
| Concatenations | 1 |

Physio - Cardiac

| | |
|--------------------|---------------|
| Fat-Water Contrast | Standard |
| Magn. Preparation | Slice-sel. IR |
| TI | 160 ms |
| Dark Blood | Off |
| FOV Read | 300 mm |
| FOV Phase | 100.0 % |
| Phase Resolution | 75 % |
| Motion Correction | None |

Physio - PACE

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

Inline - Subtraction

| | |
|----------------------|------|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Motion Correction | None |
| 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 - Composing

| | |
|---------------------|--------|
| Inline Composing | On |
| Normalize | Medium |
| Save non-normalized | Off |
| Composing Function | Spine |
| Series Description | |

Sequence - Part 1

| | |
|-----------------------|--------------|
| Sequence Name | qtirR_rr |
| Dimension | 2D |
| RF Pulse Type | Normal |
| Gradient Mode | Fast |
| Flow Compensation | Read |
| Bandwidth | 203 Hz/Px |
| Echo Spacing | 10.7 ms |
| Free Echo Spacing | On |
| Define | Turbo Factor |
| Turbo Factor | 9 |
| Echo Trains per Slice | 29 |

Sequence - Part 2

| | |
|--------------------------|-----------|
| Introduction | On |
| Phase Correction | Automatic |
| Compensate T2 Decay | Off |
| Fast Mode | Off |
| WARP | Off |
| Red. EC Sensitivity | Off |
| Acoustic noise reduction | On |
| Reduce Motion Sens. | On |
| Motion Correction | None |

Sequence - Assistant

| | |
|---------------|------|
| SAR Assistant | Off |
| Allowed Delay | 30 s |