

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\UserProtocols\Renzo\190903_CELMAR\Quin_pilot_250_V1

TA: 1:05 PAT: Off Voxel size: 1.0x1.0x3.0 mm Rel. SNR: 1.00 SIEMENS: tfl

Properties

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

Routine

| | |
|--------------------|-----------------|
| Slice group 1 | |
| Slices | 9 |
| Dist. factor | 20 % |
| Position | R4.0 A23.3 F1.6 |
| Orientation | S > C-3.6 |
| Phase enc. dir. | A >> P |
| Rotation | 0.00 deg |
| Slice group 2 | |
| Slices | 5 |
| Dist. factor | 80 % |
| Position | L0.0 A31.9 F4.8 |
| Orientation | Transversal |
| Phase enc. dir. | A >> P |
| Rotation | 0.00 deg |
| Slice group 3 | |
| Slices | 7 |
| Dist. factor | 50 % |
| Position | R2.4 P21.6 F0.6 |
| Orientation | Coronal |
| Phase enc. dir. | R >> L |
| Rotation | 0.00 deg |
| Phase oversampling | 0 % |
| FoV read | 200 mm |
| FoV phase | 100.0 % |
| Slice thickness | 3.0 mm |
| TR | 3000 ms |
| TE | 3.22 ms |
| Averages | 1 |
| Concatenations | 21 |
| Filter | None |
| Coil elements | A32 |

Contrast

| | |
|-------------------|------------------|
| TD | 0 ms |
| Magn. preparation | Slice-sel. IR |
| T1 | 1100 ms |
| Flip angle | 6 deg |
| Fat suppr. | None |
| Water suppr. | None |
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 1 |
| Multiple series | Each measurement |

Resolution

| | |
|-----------------------|-------|
| Base resolution | 192 |
| Phase resolution | 100 % |
| Phase partial Fourier | Off |

Interpolation Off

PAT mode None

Image Filter Off
Distortion Corr. Off
Prescan Normalize Off
Normalize Off
B1 filter Off
Raw filter Off
Elliptical filter Off

Geometry

Multi-slice mode Sequential
Series Ascending

Table position H
Table position 0 mm
Inline Composing Off

System

V32 Off
A32 On
Positioning mode REF
MSMA S - C - T
Sagittal R >> L
Coronal A >> P
Transversal F >> H
Save uncombined Off
Coil Combine Mode Adaptive Combine
AutoAlign ---
Auto Coil Select Default
Shim mode Tune up
Adjust with body coil Off
Confirm freq. adjustment Off
Assume Silicone Off
! Ref. amplitude 1H 270.000 V
Adjustment Tolerance Auto
Adjust volume
Position Isocenter
Orientation Transversal
Rotation 0.00 deg
R >> L 350 mm
A >> P 263 mm
F >> H 350 mm

Physio

1st Signal/Mode None
Dark blood Off
Resp. control Off

Inline

Subtract Off
Std-Dev-Sag Off
Std-Dev-Cor Off
Std-Dev-Tra Off
Std-Dev-Time Off
MIP-Sag Off
MIP-Cor Off
MIP-Tra Off
MIP-Time Off
Save original images On

Sequence

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

| | |
|-----------------|------------|
| Introduction | On |
| Dimension | 2D |
| Asymmetric echo | Off |
| Bandwidth | 240 Hz/Px |
| Flow comp. | No |
| Echo spacing | 6.5 ms |
| <hr/> | |
| RF pulse type | Normal |
| Gradient mode | Fast |
| Excitation | Slice-sel. |
| RF spoiling | On |

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\UserProtocols\Renzo\190903_CELMAR\RENZO_GRE7_setup_GRAPPA_2

TA: 10:00 PAT: 2 Voxel size: 0.2x0.2x0.5 mm Rel. SNR: 1.00 USER: RENZO_GRE7

Properties

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

Routine

| | |
|--------------------|-------------------|
| Slice group 1 | |
| Slices | 30 |
| Dist. factor | 0 % |
| Position | R2.9 A15.2 H17.7 |
| Orientation | T > C-24.2 > S0.1 |
| Phase enc. dir. | R >> L |
| Rotation | 90.00 deg |
| Phase oversampling | 0 % |
| FoV read | 192 mm |
| FoV phase | 75.0 % |
| Slice thickness | 0.5 mm |
| TR | 783 ms |
| TE | 15.0 ms |
| Averages | 2 |
| Concatenations | 1 |
| Filter | None |
| Coil elements | A32 |

Contrast

| | |
|-------------------|------------------|
| MTC | Off |
| Magn. preparation | None |
| Flip angle | 40 deg |
| Fat suppr. | None |
| Water suppr. | None |
| SWI | Off |
| Averaging mode | Short term |
| Reconstruction | Magn./Phase |
| Measurements | 1 |
| Multiple series | Each measurement |

Resolution

| | |
|-----------------------|------------|
| Base resolution | 960 |
| Phase resolution | 100 % |
| Phase partial Fourier | Off |
| Interpolation | Off |
| PAT mode | GRAPPA |
| Accel. factor PE | 2 |
| Ref. lines PE | 45 |
| Reference scan mode | Integrated |
| Image Filter | Off |
| Distortion Corr. | Off |
| Prescan Normalize | Off |
| Normalize | Off |
| B1 filter | Off |
| Raw filter | Off |
| Elliptical filter | Off |

Geometry

| | |
|------------------|-------------|
| Multi-slice mode | Interleaved |
| Series | Interleaved |
| Saturation mode | Standard |
| Special sat. | None |
| Table position | H |
| Table position | 0 mm |
| Inline Composing | Off |
| Tim CT mode | Off |

System

| | |
|--------------------------|-------------------|
| V32 | Off |
| A32 | On |
| Positioning mode | FIX |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Save uncombined | Off |
| Coil Combine Mode | Adaptive Combine |
| AutoAlign | --- |
| Auto Coil Select | Default |
| Shim mode | Standard |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Silicone | Off |
| ! Ref. amplitude 1H | 220.000 V |
| Adjustment Tolerance | Auto |
| Adjust volume | |
| ! Position | R1.9 A15.0 H20.4 |
| ! Orientation | T > C-23.3 > S0.2 |
| ! Rotation | 89.78 deg |
| ! A >> P | 178 mm |
| ! R >> L | 133 mm |
| ! F >> H | 39 mm |

Physio

| | |
|-----------------|------|
| 1st Signal/Mode | None |
| Segments | 1 |
| Tagging | None |
| Dark blood | Off |
| Resp. control | Off |

Inline

| | |
|----------------------|-----|
| Subtract | Off |
| Liver registration | Off |
| Std-Dev-Sag | Off |
| Std-Dev-Cor | Off |
| Std-Dev-Tra | Off |
| Std-Dev-Time | Off |
| MIP-Sag | Off |
| MIP-Cor | Off |
| MIP-Tra | Off |
| MIP-Time | Off |
| Save original images | On |
| Wash - In | Off |
| Wash - Out | Off |
| TTP | Off |
| PEI | Off |
| MIP - time | Off |

| | |
|---------------------|------------|
| Maplt | None |
| Contrasts | 1 |
| Sequence | |
| Introduction | On |
| Dimension | 2D |
| Phase stabilisation | Off |
| Asymmetric echo | Off |
| Bandwidth | 70 Hz/Px |
| Flow comp. | Slice |
| RF pulse type | Normal |
| Gradient mode | Fast |
| Excitation | Slice-sel. |
| RF spoiling | On |

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\UserProtocols\Renzo\190903_CELMAR\VASO_139MAGECSSSI_setup

TA: 0:41 PAT: 3 Voxel size: 0.8x0.8x0.8 mm Rel. SNR: 1.00 USER: VASO_139

Properties

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

Routine

| | |
|--------------------|-------------------|
| Slab group 1 | |
| Slabs | 1 |
| Dist. factor | 50 % |
| Position | R4.7 A17.5 H25.5 |
| Orientation | T > C-10.7 > S0.7 |
| Phase enc. dir. | A >> P |
| Rotation | 0.00 deg |
| Phase oversampling | 0 % |
| Slice oversampling | 8.3 % |
| Slices per slab | 96 |
| FoV read | 133.0 mm |
| FoV phase | 133.3 % |
| Slice thickness | 0.80 mm |
| TR | 8288.20 ms |
| TE | 24 ms |
| Averages | 1 |
| Concatenations | 1 |
| Filter | None |
| Coil elements | A32 |

Contrast

| | |
|----------------------|------------|
| Perfusion mode | SS-SI VASO |
| TI2 | 650 ms |
| TI1 | 50 ms |
| TI1s | 50 ms |
| Flip angle | 4 deg |
| Fat suppr. | Fat sat. |
| Fat sat. mode | Strong |
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 5 |
| Delay in TR | 0 ms |
| Multiple series | Off |
| Perfusion mode | PICORE Q2T |
| Inversion time 1 | 50 ms |
| Saturation stop time | 50 ms |
| Inversion time 2 | 650.0 ms |
| Flow limit | 100 cm/s |

Resolution

| | |
|-----------------------|-------|
| Base resolution | 162 |
| Phase resolution | 100 % |
| Slice resolution | 100 % |
| Phase partial Fourier | 6/8 |
| Slice partial Fourier | Off |
| Interpolation | Off |

| | |
|---------------------|----------|
| PAT mode | GRAPPA |
| Accel. factor PE | 3 |
| Ref. lines PE | 45 |
| Accel. factor 3D | 1 |
| Ref. lines 3D | 24 |
| Reference scan mode | Separate |
| Prescan Normalize | Off |
| Raw filter | Off |
| Elliptical filter | Off |
| Hamming | Off |

Geometry

| | |
|------------------|-------------|
| Multi-slice mode | Interleaved |
| Series | Ascending |
| Special sat. | Parallel F |
| Gap | 25.0 mm |
| Thickness | 100 mm |
| Table position | H |
| Table position | 0 mm |
| Inline Composing | Off |

System

| | |
|--------------------------|------------------|
| V32 | Off |
| A32 | On |
| Positioning mode | REF |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Save uncombined | Off |
| Coil Combine Mode | Sum of Squares |
| AutoAlign | --- |
| Auto Coil Select | Default |
| Shim mode | Standard |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Silicone | Off |
| ! Ref. amplitude 1H | 220.000 V |
| Adjustment Tolerance | Auto |
| Adjust volume | |
| ! Position | R4.8 A15.5 H22.2 |
| ! Orientation | T > C-9.9 > S0.6 |
| ! Rotation | 90.00 deg |
| ! A >> P | 190 mm |
| ! R >> L | 140 mm |
| ! F >> H | 77 mm |

Physio

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

BOLD

| | |
|-------------------|-----|
| Motion correction | Off |
| Spatial filter | Off |

Sequence

| | |
|-------------------|------------|
| Introduction | On |
| Dimension | 3D |
| Reordering | Linear |
| Contrasts | 1 |
| Bandwidth | 1188 Hz/Px |
| Free echo spacing | Off |
| Echo spacing | 0.97 ms |
| EPI factor | 216 |

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

| | |
|----------------------------|--------------|
| RF pulse type | Normal |
| Gradient mode | Normal |
| Excitation | Slab-sel. |
| RF spoiling | On |
| <hr/> | |
| Ampl | 100 |
| MAGEC FA | 12 in deg |
| ph.skip 4 Robert (the one) | 30 |
| MAGEC SS-SI? | On |
| Maxwell Correction | Off |
| log physio files | Off |
| FFT scale | 1.00 |
| dummy prepscan time | 3 s |
| z shim | 0.00 mT/m*ms |
| RF duration | 2000 us |
| RF BWTP | 25.0 |
| Renzo: Delta TI | 71 ms |
| EFFECTIVE TR | 861972 ms |
| PatPartitions | 104 |
| EPI phase correction | local |
| PAT refscan mode | Flash |
| FlashRef BaseRes | 162 |
| FlashRef BW | 100 Hz/px |
| FlashRef TE | 7000 us |
| FlashRef FA | 5 deg |
| use CAIPI | Off |

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\UserProtocols\Renzo\190903_CELMAR\VASO_135_128slices

TA: 14:07

PAT: 3

Voxel size: 0.8x0.8x0.8 mm

Rel. SNR: 1.00

USER: VASO_135

Properties

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

Routine

| | |
|--------------------|-------------------|
| Slab group 1 | |
| Slabs | 1 |
| Dist. factor | 50 % |
| Position | R4.7 A17.5 H25.5 |
| Orientation | T > C-10.7 > S0.7 |
| Phase enc. dir. | A >> P |
| Rotation | 0.00 deg |
| Phase oversampling | 0 % |
| Slice oversampling | 8.3 % |
| Slices per slab | 96 |
| FoV read | 133.0 mm |
| FoV phase | 133.3 % |
| Slice thickness | 0.80 mm |
| TR | 8389.00 ms |
| TE | 24 ms |
| Averages | 1 |
| Concatenations | 1 |
| Filter | None |
| Coil elements | A32 |

Contrast

| | |
|----------------|------------|
| Perfusion mode | SS-SI VASO |
| TI2 | 650 ms |
| TI1 | 50 ms |
| TI1s | 50 ms |
| Flip angle | 4 deg |
| Fat suppr. | Fat sat. |
| Fat sat. mode | Strong |

| | |
|-----------------|-----------|
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 101 |
| Delay in TR | 0 ms |
| Multiple series | Off |

| | |
|----------------------|------------|
| Perfusion mode | PICORE Q2T |
| Inversion time 1 | 50 ms |
| Saturation stop time | 50 ms |
| Inversion time 2 | 650.0 ms |
| Flow limit | 100 cm/s |

Resolution

| | |
|-----------------------|-------|
| Base resolution | 162 |
| Phase resolution | 100 % |
| Slice resolution | 100 % |
| Phase partial Fourier | 6/8 |
| Slice partial Fourier | Off |
| Interpolation | Off |

| | |
|---------------------|----------|
| PAT mode | GRAPPA |
| Accel. factor PE | 3 |
| Ref. lines PE | 45 |
| Accel. factor 3D | 1 |
| Ref. lines 3D | 24 |
| Reference scan mode | Separate |

| | |
|-------------------|-----|
| Prescan Normalize | Off |
| Raw filter | Off |
| Elliptical filter | Off |
| Hamming | Off |

Geometry

| | |
|------------------|-------------|
| Multi-slice mode | Interleaved |
| Series | Ascending |
| Special sat. | Parallel F |
| Gap | 25.0 mm |
| Thickness | 100 mm |
| Table position | H |
| Table position | 0 mm |
| Inline Composing | Off |

System

| | |
|--------------------------|------------------|
| V32 | Off |
| A32 | On |
| Positioning mode | FIX |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Save uncombined | Off |
| Coil Combine Mode | Sum of Squares |
| AutoAlign | --- |
| Auto Coil Select | Default |
| Shim mode | Standard |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Silicone | Off |
| ! Ref. amplitude 1H | 220.000 V |
| Adjustment Tolerance | Auto |
| Adjust volume | |
| ! Position | R4.8 A15.5 H22.2 |
| ! Orientation | T > C-9.9 > S0.6 |
| ! Rotation | 90.00 deg |
| ! A >> P | 190 mm |
| ! R >> L | 140 mm |
| ! F >> H | 77 mm |

Physio

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

BOLD

| | |
|-------------------|-----|
| Motion correction | Off |
| Spatial filter | Off |

Sequence

| | |
|-------------------|------------|
| Introduction | On |
| Dimension | 3D |
| Reordering | Linear |
| Contrasts | 1 |
| Bandwidth | 1188 Hz/Px |
| Free echo spacing | Off |
| Echo spacing | 0.97 ms |
| EPI factor | 216 |

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

| | |
|----------------------------|--------------|
| RF pulse type | Normal |
| Gradient mode | Normal |
| Excitation | Slab-sel. |
| RF spoiling | On |
| <hr/> | |
| Ampl | 100 |
| BWDTH | 150 3.1kHz |
| ph.skip 4 Robert (the one) | 1 |
| are you Renzo? | On |
| Maxwell Correction | Off |
| log physio files | Off |
| FFT scale | 1.00 |
| dummy prepscan time | 3 s |
| z shim | 0.00 mT/m*ms |
| RF duration | 2000 us |
| RF BWTP | 25.0 |
| Renzo: Delta TI | 72 ms |
| EFFECTIVE TR | 872456 ms |
| PatPartitions | 104 |
| EPI phase correction | local |
| PAT refscan mode | Flash |
| FlashRef BaseRes | 162 |
| FlashRef BW | 100 Hz/px |
| FlashRef TE | 7000 us |
| FlashRef FA | 5 deg |
| use CAIPI | Off |

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

\\USER\UserProtocols\Renzo\190903_CELMAR\VASO_137_VAPERANAT

TA: 20:39 PAT: 3 Voxel size: 0.8x0.8x0.8 mm Rel. SNR: 1.00 USER: VASO_137

Properties

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

Routine

| | |
|--------------------|-------------------|
| Slab group 1 | |
| Slabs | 1 |
| Dist. factor | 50 % |
| Position | R4.7 A17.5 H25.5 |
| Orientation | T > C-10.7 > S0.7 |
| Phase enc. dir. | A >> P |
| Rotation | 0.00 deg |
| Phase oversampling | 0 % |
| Slice oversampling | 8.3 % |
| Slices per slab | 96 |
| FoV read | 180.0 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.80 mm |
| TR | 12269.1 ms |
| TE | 24 ms |
| Averages | 1 |
| Concatenations | 1 |
| Filter | None |
| Coil elements | A32 |

Contrast

| | |
|----------------------|---------------|
| Perfusion mode | Picore Q2TIPS |
| TI2 | 1100 ms |
| TI1 | 50 ms |
| TI1s | 50 ms |
| Flip angle | 26.9 deg |
| Fat suppr. | Fat sat. |
| Fat sat. mode | Strong |
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 101 |
| Delay in TR | 0 ms |
| Multiple series | Off |
| Perfusion mode | PICORE Q2T |
| Inversion time 1 | 50 ms |
| Saturation stop time | 50 ms |
| Inversion time 2 | 1100.0 ms |
| Flow limit | 100 cm/s |

Resolution

| | |
|-----------------------|-------|
| Base resolution | 224 |
| Phase resolution | 100 % |
| Slice resolution | 100 % |
| Phase partial Fourier | 6/8 |
| Slice partial Fourier | Off |
| Interpolation | Off |

| | |
|---------------------|----------|
| PAT mode | GRAPPA |
| Accel. factor PE | 3 |
| Ref. lines PE | 45 |
| Accel. factor 3D | 1 |
| Ref. lines 3D | 24 |
| Reference scan mode | Separate |

| | |
|-------------------|-----|
| Prescan Normalize | Off |
| Raw filter | Off |
| Elliptical filter | Off |
| Hamming | Off |

Geometry

| | |
|------------------|-------------|
| Multi-slice mode | Interleaved |
| Series | Ascending |
| Special sat. | Parallel F |
| Gap | 25.0 mm |
| Thickness | 100 mm |
| Table position | H |
| Table position | 0 mm |
| Inline Composing | Off |

System

| | |
|--------------------------|------------------|
| V32 | Off |
| A32 | On |
| Positioning mode | FIX |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Save uncombined | Off |
| Coil Combine Mode | Sum of Squares |
| AutoAlign | --- |
| Auto Coil Select | Default |
| Shim mode | Standard |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Silicone | Off |
| ? Ref. amplitude 1H | 0.000 V |
| Adjustment Tolerance | Auto |
| Adjust volume | |
| ! Position | R4.8 A15.5 H22.2 |
| ! Orientation | T > C-9.9 > S0.6 |
| ! Rotation | 90.00 deg |
| ! A >> P | 190 mm |
| ! R >> L | 140 mm |
| ! F >> H | 77 mm |

Physio

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

BOLD

| | |
|-------------------|-----|
| Motion correction | Off |
| Spatial filter | Off |

Sequence

| | |
|-------------------|------------|
| Introduction | On |
| Dimension | 3D |
| Reordering | Linear |
| Contrasts | 1 |
| Bandwidth | 1174 Hz/Px |
| Free echo spacing | Off |
| Echo spacing | 0.99 ms |
| EPI factor | 224 |

SIEMENS MAGNETOM Investigational_Device_7T syngo MR B17

| | |
|-------------------------|--------------|
| RF pulse type | Normal |
| Gradient mode | Normal |
| Excitation | Slab-sel. |
| RF spoiling | On |
| <hr/> | |
| Read Diff Amp | 0.0 mT/m |
| Phase Diff Amp | 0.0 mT/m |
| Slice Diff Amp | 0.0 mT/m |
| Dante puls # in 1st par | 230 |
| Dante puls # in 2nd par | 36 |
| Pulses FA in DANTE | 11.9 degree |
| TAU in DANTE | 1100 us |
| Vari readFA | 0 |
| Blank bef/aft DANTE-RF | 50 us |
| Grad # bef DANTE | 0 |
| DANTE-RF dur | 180 us |
| use Ernst angle | Off |
| Maxwell Correction | Off |
| log physio files | Off |
| FFT scale | 2.00 |
| dummy prepscan time | 3 s |
| z shim | 0.00 mT/m*ms |
| RF duration | 2200 us |
| RF BWTP | 25.0 |
| EFFECTIVE TR | 113 ms |
| PatPartitions | 104 |
| EPI phase correction | local |
| PAT refscan mode | Flash |
| FlashRef BaseRes | 224 |
| FlashRef BW | 200 Hz/px |
| FlashRef TE | 4800 us |
| FlashRef FA | 5 deg |
| use CAIPI | Off |