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NHP-HCP_macaque

NHP-HCP_MacaqueSedatedBOLD_v1.0

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\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\localizer

TA: 8.2 s PM: REF Voxel size: 0.4x0.4x7.0 mmPAT: 2 Rel. SNR: 1.00 : fl

Properties

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

Routine

| | |
|--------------------|--|
| Slice group | 1 |
| Slices | 1 |
| Dist. factor | 20 % |
| Position | Isocenter |
| Orientation | Sagittal |
| Phase enc. dir. | A >> P |
| Slice group | 2 |
| Slices | 1 |
| Dist. factor | 20 % |
| Position | L0.0 P30.0 H0.0 mm |
| Orientation | Transversal |
| Phase enc. dir. | A >> P |
| Slice group | 3 |
| Slices | 1 |
| Dist. factor | 20 % |
| Position | L0.0 P30.0 H0.0 mm |
| Orientation | Coronal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| FoV read | 180 mm |
| FoV phase | 100.0 % |
| Slice thickness | 7.0 mm |
| TR | 8.6 ms |
| TE | 4.00 ms |
| Averages | 2 |
| Concatenations | 3 |
| Filter | Distortion Corr.(2D), Elliptical filter |
| Coil elements | MC;MC;MC |

Contrast - Common

| | |
|-------------------|---------|
| TR | 8.6 ms |
| TE | 4.00 ms |
| TD | 0 ms |
| MTC | Off |
| Magn. preparation | None |
| Flip angle | 20 deg |
| Fat suppr. | None |
| Water suppr. | None |
| SWI | Off |

Contrast - Dynamic

| | |
|----------------|------------|
| Averages | 2 |
| Averaging mode | Short term |
| Reconstruction | Magnitude |
| Measurements | 1 |

Contrast - Dynamic

| | |
|-----------------|------------------|
| Multiple series | Each measurement |
|-----------------|------------------|

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 180 mm |
| FoV phase | 100.0 % |
| Slice thickness | 7.0 mm |
| Base resolution | 256 |
| Phase resolution | 91 % |
| Phase partial Fourier | Off |
| Interpolation | On |

Resolution - iPAT

| | |
|---------------------|------------|
| PAT mode | GRAPPA |
| Accel. factor PE | 2 |
| Ref. lines PE | 24 |
| Reference scan mode | Integrated |

Resolution - Filter Image

| | |
|-------------------|-----|
| Image Filter | Off |
| Distortion Corr. | On |
| Mode | 2D |
| Unfiltered images | Off |
| Prescan Normalize | Off |
| Normalize | Off |
| B1 filter | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | On |

Geometry - Common

| | |
|------------------|--------------------|
| Slice group | 1 |
| Slices | 1 |
| Dist. factor | 20 % |
| Position | Isocenter |
| Orientation | Sagittal |
| Phase enc. dir. | A >> P |
| Slice group | 2 |
| Slices | 1 |
| Dist. factor | 20 % |
| Position | L0.0 P30.0 H0.0 mm |
| Orientation | Transversal |
| Phase enc. dir. | A >> P |
| Slice group | 3 |
| Slices | 1 |
| Dist. factor | 20 % |
| Position | L0.0 P30.0 H0.0 mm |
| Orientation | Coronal |
| Phase enc. dir. | R >> L |
| FoV read | 180 mm |
| FoV phase | 100.0 % |
| Slice thickness | 7.0 mm |
| TR | 8.6 ms |
| Multi-slice mode | Sequential |
| Series | Interleaved |
| Concatenations | 3 |

Geometry - AutoAlign

| | |
|-------------|-----------|
| Slice group | 1 |
| Position | Isocenter |

Geometry - AutoAlign

| | |
|---------------------|--------------------|
| Orientation | Sagittal |
| Phase enc. dir. | A >> P |
| Slice group | 2 |
| Position | L0.0 P30.0 H0.0 mm |
| Orientation | Transversal |
| Phase enc. dir. | A >> P |
| Slice group | 3 |
| Position | L0.0 P30.0 H0.0 mm |
| Orientation | Coronal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 0.00 deg |
| Initial Orientation | Sagittal |

Geometry - Saturation

| | |
|-----------------|----------|
| Saturation mode | Standard |
| Fat suppr. | None |
| Water suppr. | None |
| Special sat. | None |

System - Miscellaneous

| | |
|---------------------|----------------------|
| Positioning mode | REF |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Adaptive Combine |
| Save uncombined | Off |
| Matrix Optimization | Off |
| AutoAlign | --- |
| Coil Select Mode | Off - AutoCoilSelect |

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

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 Volumes

| | |
|--------------|------------|
| B1 Shim mode | TrueForm |
| Excitation | Slice-sel. |

System - Tx/Rx

| | |
|-------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | High |

System - Tx/Rx

| | |
|---------------------|---------|
| Img. Scale Cor. | 1.000 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|-----------------|--------|
| 1st Signal/Mode | None |
| TR | 8.6 ms |
| Concatenations | 3 |
| Segments | 1 |

Physio - Cardiac

| | |
|-------------------|---------|
| Magn. preparation | None |
| Fat suppr. | None |
| Dark blood | Off |
| FoV read | 180 mm |
| FoV phase | 100.0 % |
| Phase resolution | 91 % |

Physio - PACE

| | |
|----------------|-----|
| Resp. control | Off |
| Concatenations | 3 |

Inline - Common

| | |
|----------------------|-----|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Liver registration | Off |
| Save original images | On |

Inline - MIP

| | |
|----------------------|-----|
| MIP-Sag | Off |
| MIP-Cor | Off |
| MIP-Tra | Off |
| MIP-Time | Off |
| Save original images | On |

Inline - Soft Tissue

| | |
|--------------|-----|
| Wash - In | Off |
| Wash - Out | Off |
| TTP | Off |
| PEI | Off |
| MIP - time | Off |
| Measurements | 1 |

Inline - Composing

| | |
|-------------------|-----|
| Distortion Corr. | On |
| Mode | 2D |
| Unfiltered images | Off |

Inline - MapIt

| | |
|----------------------|---------|
| Save original images | On |
| MapIt | None |
| Flip angle | 20 deg |
| Measurements | 1 |
| Contrasts | 1 |
| TR | 8.6 ms |
| TE | 4.00 ms |

Sequence - Part 1

| | |
|---------------------|---------|
| Introduction | On |
| Dimension | 2D |
| Phase stabilisation | Off |
| Asymmetric echo | Allowed |

Sequence - Part 1

| | |
|------------------|------------|
| Contrasts | 1 |
| Flow comp. | No |
| Multi-slice mode | Sequential |
| Bandwidth | 320 Hz/Px |

Sequence - Part 2

| | |
|--------------------------|------------|
| Segments | 1 |
| Acoustic noise reduction | None |
| RF pulse type | Normal |
| Gradient mode | Normal |
| Excitation | Slice-sel. |
| RF spoiling | On |

Sequence - Assistant

| | |
|---------------|-----|
| Mode | Off |
| Allowed delay | 0 s |

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\T1w_MPR

TA: 17:31 PM: FIX Voxel size: 0.5×0.5×0.5 mmPAT: 2 Rel. SNR: 1.00 : tfl

Properties

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

Routine

| | |
|--------------------|-------------------|
| Slab group | 1 |
| Slabs | 1 |
| Dist. factor | 50 % |
| Position | Isocenter |
| Orientation | Coronal |
| Phase enc. dir. | R >> L |
| AutoAlign | Head > Basis |
| Phase oversampling | 15 % |
| Slice oversampling | 0.0 % |
| Slices per slab | 224 |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.50 mm |
| TR | 2200.0 ms |
| TE | 2.23 ms |
| Averages | 3 |
| Concatenations | 1 |
| Filter | Prescan Normalize |
| Coil elements | MC;MC;MC |

Contrast - Common

| | |
|-------------------|-------------|
| TR | 2200.0 ms |
| TE | 2.23 ms |
| Magn. preparation | Non-sel. IR |
| T1 | 900 ms |
| Flip angle | 8 deg |
| Fat suppr. | None |
| Water suppr. | None |

Contrast - Dynamic

| | |
|-----------------|-----------|
| Averages | 3 |
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 1 |
| Multiple series | Off |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.50 mm |
| Base resolution | 256 |
| Phase resolution | 100 % |
| Slice resolution | 100 % |
| Phase partial Fourier | Off |
| Slice partial Fourier | Off |
| Interpolation | Off |

Resolution - iPAT

| | |
|---------------------|------------|
| PAT mode | GRAPPA |
| Accel. factor PE | 2 |
| Ref. lines PE | 24 |
| Accel. factor 3D | 1 |
| Reference scan mode | Integrated |

Resolution - Filter Image

| | |
|-------------------|-----|
| Image Filter | Off |
| Distortion Corr. | Off |
| Prescan Normalize | On |
| Unfiltered images | On |
| Normalize | Off |
| B1 filter | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |

Geometry - Common

| | |
|--------------------|-------------|
| Slab group | 1 |
| Slabs | 1 |
| Dist. factor | 50 % |
| Position | Isocenter |
| Orientation | Coronal |
| Phase enc. dir. | R >> L |
| Slice oversampling | 0.0 % |
| Slices per slab | 224 |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.50 mm |
| TR | 2200.0 ms |
| Multi-slice mode | Single shot |
| Series | Ascending |
| Concatenations | 1 |

Geometry - AutoAlign

| | |
|---------------------|--------------|
| Slab group | 1 |
| Position | Isocenter |
| Orientation | Coronal |
| Phase enc. dir. | R >> L |
| AutoAlign | Head > Basis |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 0.00 deg |
| Initial Orientation | Coronal |

Geometry - Navigator**System - Miscellaneous**

| | |
|-------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Save uncombined | Off |

System - Miscellaneous

| | |
|---------------------|----------------------|
| Matrix Optimization | Off |
| AutoAlign | Head > Basis |
| Coil Select Mode | Off - AutoCoilSelect |

System - Adjustments

| | |
|--------------------------|------------------|
| B0 Shim mode | Tune up |
| B1 Shim mode | Patient-specific |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

System - Adjust Volume

| | |
|---------------|-------------------|
| ! Position | R2.2 P7.8 F6.8 mm |
| ! Orientation | Transversal |
| ! Rotation | 0.00 deg |
| ! A >> P | 123 mm |
| ! R >> L | 110 mm |
| ! F >> H | 105 mm |
| Reset | Off |

System - pTx Volumes

| | |
|--------------|------------------|
| B1 Shim mode | Patient-specific |
| Excitation | Non-sel. |

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | Low |
| Img. Scale Cor. | 0.500 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|-----------------|-----------|
| 1st Signal/Mode | None |
| TR | 2200.0 ms |
| Concatenations | 1 |

Physio - Cardiac

| | |
|-------------------|-------------|
| Magn. preparation | Non-sel. IR |
| TI | 900 ms |
| Fat suppr. | None |
| Dark blood | Off |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Phase resolution | 100 % |

Physio - PACE

| | |
|----------------|-----|
| Resp. control | Off |
| Concatenations | 1 |

Inline - Common

| | |
|----------------------|-----|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Save original images | On |

Inline - MIP

| | |
|----------|-----|
| MIP-Sag | Off |
| MIP-Cor | Off |
| MIP-Tra | Off |
| MIP-Time | Off |

Inline - MIP

| | |
|----------------------|----|
| Save original images | On |
|----------------------|----|

Inline - Composing

| | |
|------------------|-----|
| Distortion Corr. | Off |
|------------------|-----|

Inline - MapIt

| | |
|----------------------|-----------|
| Save original images | On |
| MapIt | None |
| Flip angle | 8 deg |
| Measurements | 1 |
| TR | 2200.0 ms |
| TE | 2.23 ms |

Sequence - Part 1

| | |
|---------------------|-------------|
| Introduction | On |
| Dimension | 3D |
| Elliptical scanning | Off |
| Reordering | Linear |
| Asymmetric echo | Allowed |
| Flow comp. | No |
| Multi-slice mode | Single shot |
| Echo spacing | 6.5 ms |
| Bandwidth | 270 Hz/Px |

Sequence - Part 2

| | |
|-------------------------|-------------|
| RF pulse type | Normal |
| Gradient mode | Performance |
| Excitation | Non-sel. |
| RF spoiling | On |
| Incr. Gradient spoiling | Off |
| Turbo factor | 224 |

Sequence - Assistant

| | |
|------|-----|
| Mode | Off |
|------|-----|

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\T2w_SPC

TA: 4:59 PM: FIX Voxel size: 0.5×0.5×0.5 mmPAT: 2 Rel. SNR: 1.00 : spcR

Properties

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

Routine

| | |
|--------------------|-------------------|
| Slab group | 1 |
| Slabs | 1 |
| Position | Isocenter |
| Orientation | Coronal |
| Phase enc. dir. | R >> L |
| AutoAlign | Head > Basis |
| Phase oversampling | 15 % |
| Slice oversampling | 0.0 % |
| Slices per slab | 224 |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.50 mm |
| TR | 3200 ms |
| TE | 562 ms |
| Averages | 1.0 |
| Concatenations | 1 |
| Filter | Prescan Normalize |
| Coil elements | MC;MC;MC |

Contrast - Common

| | |
|-------------------|---------|
| TR | 3200 ms |
| TE | 562 ms |
| MTC | Off |
| Magn. preparation | None |
| Fat suppr. | None |
| Blood suppr. | Off |
| Restore magn. | On |

Contrast - Dynamic

| | |
|-----------------|-----------|
| Averages | 1.0 |
| Reconstruction | Magnitude |
| Measurements | 1 |
| Multiple series | Off |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.50 mm |
| Base resolution | 256 |
| Phase resolution | 100 % |
| Slice resolution | 100 % |
| Phase partial Fourier | Allowed |
| Slice partial Fourier | Off |
| Interpolation | Off |

Resolution - iPAT

| | |
|---------------------|------------|
| PAT mode | GRAPPA |
| Accel. factor PE | 2 |
| Ref. lines PE | 24 |
| Accel. factor 3D | 1 |
| Reference scan mode | Integrated |

Resolution - Filter Image

| | |
|-------------------|-----|
| Image Filter | Off |
| Distortion Corr. | Off |
| Prescan Normalize | On |
| Unfiltered images | On |
| Normalize | Off |
| B1 filter | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |

Geometry - Common

| | |
|--------------------|-------------|
| Slab group | 1 |
| Slabs | 1 |
| Position | Isocenter |
| Orientation | Coronal |
| Phase enc. dir. | R >> L |
| Slice oversampling | 0.0 % |
| Slices per slab | 224 |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.50 mm |
| TR | 3200 ms |
| Series | Interleaved |
| Concatenations | 1 |

Geometry - AutoAlign

| | |
|---------------------|--------------|
| Slab group | 1 |
| Position | Isocenter |
| Orientation | Coronal |
| Phase enc. dir. | R >> L |
| AutoAlign | Head > Basis |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 0.00 deg |
| Initial Orientation | Coronal |

Geometry - Saturation

| | |
|---------------|------|
| Fat suppr. | None |
| Restore magn. | On |
| Special sat. | None |

Geometry - Navigator**System - Miscellaneous**

| | |
|------------------|-----------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |

System - Miscellaneous

| | |
|---------------------|----------------------|
| Transversal | F >> H |
| Coil Combine Mode | Adaptive Combine |
| Save uncombined | Off |
| Matrix Optimization | Off |
| AutoAlign | Head > Basis |
| Coil Select Mode | Off - AutoCoilSelect |

System - Adjustments

| | |
|--------------------------|------------------|
| B0 Shim mode | Tune up |
| B1 Shim mode | Patient-specific |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

System - Adjust Volume

| | |
|---------------|-------------------|
| ! Position | R2.2 P7.8 F6.8 mm |
| ! Orientation | Transversal |
| ! Rotation | 0.00 deg |
| ! A >> P | 123 mm |
| ! R >> L | 110 mm |
| ! F >> H | 105 mm |
| Reset | Off |

System - pTx Volumes

| | |
|--------------|------------------|
| B1 Shim mode | Patient-specific |
| Excitation | Non-sel. |

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | High |
| Img. Scale Cor. | 0.500 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|-----------------|---------|
| 1st Signal/Mode | None |
| Trigger delay | 0 ms |
| TR | 3200 ms |
| Concatenations | 1 |

Physio - Cardiac

| | |
|-------------------|---------|
| Magn. preparation | None |
| Fat suppr. | None |
| Dark blood | Off |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Phase resolution | 100 % |

Physio - PACE

| | |
|----------------|-----|
| Resp. control | Off |
| Concatenations | 1 |

Inline - Common

| | |
|----------------------|-----|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Save original images | On |

Inline - MIP

| | |
|---------|-----|
| MIP-Sag | Off |
|---------|-----|

Inline - MIP

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

Inline - Composing

| | |
|------------------|-----|
| Distortion Corr. | Off |
|------------------|-----|

Sequence - Part 1

| | |
|---------------------|-----------|
| Introduction | On |
| Dimension | 3D |
| Elliptical scanning | On |
| Reordering | Linear |
| Flow comp. | No |
| Echo spacing | 4.1 ms |
| Adiabatic-mode | Off |
| Bandwidth | 723 Hz/Px |

Sequence - Part 2

| | |
|---------------------|-------------|
| Echo train duration | 1210 ms |
| RF pulse type | Fast |
| Gradient mode | Performance |
| Excitation | Non-sel. |
| Flip angle mode | T2 var |
| Turbo factor | 314 |

Sequence - Assistant

| | |
|---------------|-----|
| Allowed delay | 0 s |
|---------------|-----|

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\SEField_i1.25_RL

TA: 0:22 PM: FIX Voxel size: 1.3×1.3×1.3 mmPAT: Off Rel. SNR: 1.00 : epse

Properties

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

Routine

| | |
|--------------------------|-------------------|
| Slice group | 1 |
| Slices | 45 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| TR | 4450 ms |
| TE | 46.20 ms |
| Multi-band accel. factor | 1 |
| Filter | Prescan Normalize |
| Coil elements | MC;MC;MC |

Contrast - Common

| | |
|-----------------------|----------|
| TR | 4450 ms |
| TE | 46.20 ms |
| MTC | Off |
| Magn. preparation | None |
| Flip angle | 90 deg |
| Refocus flip angle | 180 deg |
| Fat suppr. | Fat sat. |
| Grad. rev. fat suppr. | Enabled |

Contrast - Dynamic

| | |
|-----------------|-----------|
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 4 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| Base resolution | 76 |
| Phase resolution | 100 % |
| Phase partial Fourier | 6/8 |
| Interpolation | Off |

Resolution - iPAT

| | |
|----------|------|
| PAT mode | None |
|----------|------|

Resolution - Filter Image

| | |
|-------------------|-----|
| Distortion Corr. | Off |
| Prescan Normalize | On |
| Unfiltered images | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |
| Hamming | Off |

Geometry - Common

| | |
|--------------------------|-------------|
| Slice group | 1 |
| Slices | 45 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| TR | 4450 ms |
| Multi-slice mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 1 |

Geometry - AutoAlign

| | |
|---------------------|-------------|
| Slice group | 1 |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 90.00 deg |
| Initial Orientation | Transversal |

Geometry - Saturation

| | |
|-----------------------|----------|
| Fat suppr. | Fat sat. |
| Grad. rev. fat suppr. | Enabled |
| Special sat. | None |

System - Miscellaneous

| | |
|---------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Matrix Optimization | Off |
| AutoAlign | --- |
| Coil Select Mode | Default |

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |

System - Adjustments

| | |
|----------------------|------|
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

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 Volumes

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

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | High |
| Img. Scale Cor. | 0.250 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|--------------------------|---------|
| 1st Signal/Mode | None |
| TR | 4450 ms |
| Multi-band accel. factor | 1 |

BOLD

| | |
|-------------------------|----------|
| GLM Statistics | Off |
| Dynamic t-maps | Off |
| Ignore meas. at start | 0 |
| Ignore after transition | 0 |
| Model transition states | On |
| Temp. highpass filter | On |
| Threshold | 4.00 |
| Paradigm size | 15 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Baseline |
| Meas[4] | Baseline |
| Meas[5] | Baseline |
| Meas[6] | Baseline |
| Meas[7] | Baseline |
| Meas[8] | Baseline |
| Meas[9] | Baseline |
| Meas[10] | Baseline |
| Meas[11] | Active |
| Meas[12] | Active |
| Meas[13] | Active |
| Meas[14] | Active |
| Meas[15] | Active |
| Motion correction | Off |
| Spatial filter | Off |
| Measurements | 4 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Sequence - Part 1

| | |
|------------------|-------------|
| Introduction | Off |
| Contrasts | 1 |
| Multi-slice mode | Interleaved |

Sequence - Part 1

| | |
|-------------------|------------|
| Free echo spacing | On |
| Echo spacing | 0.95 ms |
| Bandwidth | 1370 Hz/Px |

Sequence - Part 2

| | |
|---------------|--------------|
| EPI factor | 76 |
| RF pulse type | Normal |
| Gradient mode | Performance* |
| Excitation | Standard |

Sequence - Special

| | |
|--------------------------|----------|
| SENSE1 coil combine | On |
| Invert RO/PE polarity | Off |
| PF omits higher k-space | Off |
| Disable freq. update | Off |
| Force equal slice timing | Off |
| FFT scale factor | 0.60 |
| Physio recording | Off |
| Triggering scheme | Standard |

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\SEField_i1.25_LR

TA: 0:22 PM: FIX Voxel size: 1.3×1.3×1.3 mmPAT: Off Rel. SNR: 1.00 : epse

Properties

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

Routine

| | |
|--------------------------|-------------------|
| Slice group | 1 |
| Slices | 45 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| TR | 4350 ms |
| TE | 46.20 ms |
| Multi-band accel. factor | 1 |
| Filter | Prescan Normalize |
| Coil elements | MC;MC;MC |

Contrast - Common

| | |
|-----------------------|----------|
| TR | 4350 ms |
| TE | 46.20 ms |
| MTC | Off |
| Magn. preparation | None |
| Flip angle | 90 deg |
| Refocus flip angle | 180 deg |
| Fat suppr. | Fat sat. |
| Grad. rev. fat suppr. | Enabled |

Contrast - Dynamic

| | |
|-----------------|-----------|
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 4 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| Base resolution | 76 |
| Phase resolution | 100 % |
| Phase partial Fourier | 6/8 |
| Interpolation | Off |

Resolution - iPAT

| | |
|----------|------|
| PAT mode | None |
|----------|------|

Resolution - Filter Image

| | |
|-------------------|-----|
| Distortion Corr. | Off |
| Prescan Normalize | On |
| Unfiltered images | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |
| Hamming | Off |

Geometry - Common

| | |
|--------------------------|-------------|
| Slice group | 1 |
| Slices | 45 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| TR | 4350 ms |
| Multi-slice mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 1 |

Geometry - AutoAlign

| | |
|---------------------|-------------|
| Slice group | 1 |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 90.00 deg |
| Initial Orientation | Transversal |

Geometry - Saturation

| | |
|-----------------------|----------|
| Fat suppr. | Fat sat. |
| Grad. rev. fat suppr. | Enabled |
| Special sat. | None |

System - Miscellaneous

| | |
|---------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Matrix Optimization | Off |
| AutoAlign | --- |
| Coil Select Mode | Default |

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |

System - Adjustments

| | |
|----------------------|------|
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

System - Adjust Volume

| | |
|---------------|-------------------|
| ! Position | L1.5 P7.0 F1.0 mm |
| ! Orientation | Transversal |
| ! Rotation | 0.00 deg |
| ! A >> P | 74 mm |
| ! R >> L | 61 mm |
| ! F >> H | 54 mm |
| Reset | Off |

System - pTx Volumes

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

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | High |
| Img. Scale Cor. | 0.250 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|--------------------------|---------|
| 1st Signal/Mode | None |
| TR | 4350 ms |
| Multi-band accel. factor | 1 |

BOLD

| | |
|-------------------------|----------|
| GLM Statistics | Off |
| Dynamic t-maps | Off |
| Ignore meas. at start | 0 |
| Ignore after transition | 0 |
| Model transition states | On |
| Temp. highpass filter | On |
| Threshold | 4.00 |
| Paradigm size | 15 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Baseline |
| Meas[4] | Baseline |
| Meas[5] | Baseline |
| Meas[6] | Baseline |
| Meas[7] | Baseline |
| Meas[8] | Baseline |
| Meas[9] | Baseline |
| Meas[10] | Baseline |
| Meas[11] | Active |
| Meas[12] | Active |
| Meas[13] | Active |
| Meas[14] | Active |
| Meas[15] | Active |
| Motion correction | Off |
| Spatial filter | Off |
| Measurements | 4 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Sequence - Part 1

| | |
|------------------|-------------|
| Introduction | Off |
| Contrasts | 1 |
| Multi-slice mode | Interleaved |

Sequence - Part 1

| | |
|-------------------|------------|
| Free echo spacing | On |
| Echo spacing | 0.95 ms |
| Bandwidth | 1370 Hz/Px |

Sequence - Part 2

| | |
|---------------|--------------|
| EPI factor | 76 |
| RF pulse type | Normal |
| Gradient mode | Performance* |
| Excitation | Standard |

Sequence - Special

| | |
|--------------------------|----------|
| SENSE1 coil combine | On |
| Invert RO/PE polarity | On |
| PF omits higher k-space | Off |
| Disable freq. update | Off |
| Force equal slice timing | Off |
| FFT scale factor | 0.60 |
| Physio recording | Off |
| Triggering scheme | Standard |

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\RFMRI_i1.25_RL

TA: 51:39 PM: FIX Voxel size: 1.3×1.3×1.3 mmPAT: Off Rel. SNR: 1.00 : epfd

Properties

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

Routine

| | |
|--------------------------|-------------------|
| Slice group | 1 |
| Slices | 45 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| TR | 755 ms |
| TE | 30.00 ms |
| Multi-band accel. factor | 5 |
| Filter | Prescan Normalize |
| Coil elements | MC;MC;MC |

Contrast - Common

| | |
|-------------------|----------|
| TR | 755 ms |
| TE | 30.00 ms |
| MTC | Off |
| Magn. preparation | None |
| Flip angle | 55 deg |
| Fat suppr. | Fat sat. |

Contrast - Dynamic

| | |
|-----------------|-----------|
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 4096 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| Base resolution | 76 |
| Phase resolution | 100 % |
| Phase partial Fourier | 6/8 |
| Interpolation | Off |

Resolution - iPAT

| | |
|----------|------|
| PAT mode | None |
|----------|------|

Resolution - Filter Image

| | |
|------------------|-----|
| Distortion Corr. | Off |
|------------------|-----|

Resolution - Filter Image

| | |
|-------------------|----|
| Prescan Normalize | On |
|-------------------|----|

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |
| Hamming | Off |

Geometry - Common

| | |
|--------------------------|-------------|
| Slice group | 1 |
| Slices | 45 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| TR | 755 ms |
| Multi-slice mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 5 |

Geometry - AutoAlign

| | |
|---------------------|-------------|
| Slice group | 1 |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 90.00 deg |
| Initial Orientation | Transversal |

Geometry - Saturation

| | |
|--------------|----------|
| Fat suppr. | Fat sat. |
| Special sat. | None |

System - Miscellaneous

| | |
|---------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Matrix Optimization | Off |
| AutoAlign | --- |
| Coil Select Mode | Default |

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

System - Adjust Volume

| | |
|---------------|-------------------|
| ! Position | L1.5 P7.0 F1.0 mm |
| ! Orientation | Transversal |
| ! Rotation | 0.00 deg |
| ! A >> P | 74 mm |
| ! R >> L | 61 mm |
| ! F >> H | 54 mm |
| Reset | Off |

System - pTx Volumes

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

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | High |
| Img. Scale Cor. | 0.250 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|--------------------------|--------|
| 1st Signal/Mode | None |
| TR | 755 ms |
| Multi-band accel. factor | 5 |

BOLD

| | |
|-------------------------|----------|
| GLM Statistics | Off |
| Dynamic t-maps | Off |
| Ignore meas. at start | 0 |
| Ignore after transition | 0 |
| Model transition states | On |
| Temp. highpass filter | On |
| Threshold | 4.00 |
| Paradigm size | 20 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Baseline |
| Meas[4] | Baseline |
| Meas[5] | Baseline |
| Meas[6] | Baseline |
| Meas[7] | Baseline |
| Meas[8] | Baseline |
| Meas[9] | Baseline |
| Meas[10] | Baseline |
| Meas[11] | Active |
| Meas[12] | Active |
| Meas[13] | Active |
| Meas[14] | Active |
| Meas[15] | Active |
| Meas[16] | Active |
| Meas[17] | Active |
| Meas[18] | Active |
| Meas[19] | Active |
| Meas[20] | Active |
| Motion correction | Off |
| Spatial filter | Off |
| Measurements | 4096 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Sequence - Part 1

| | |
|--------------|-----|
| Introduction | Off |
| Contrasts | 1 |
| Flow comp. | No |

Sequence - Part 1

| | |
|-------------------|-------------|
| Multi-slice mode | Interleaved |
| Free echo spacing | Off |
| Echo spacing | 0.95 ms |
| Bandwidth | 1370 Hz/Px |

Sequence - Part 2

| | |
|---------------|--------------|
| EPI factor | 76 |
| Gradient mode | Performance* |
| Excitation | Standard |
| RF spoiling | Off |

Sequence - Special

| | |
|--------------------------|----------|
| Excite pulse duration | 4900 us |
| Single-band images | On |
| MB LeakBlock kernel | On |
| MB dual kernel | Off |
| MB RF phase scramble | On |
| SENSE1 coil combine | Off |
| Invert RO/PE polarity | Off |
| PF omits higher k-space | Off |
| Disable freq. update | Off |
| Force equal slice timing | Off |
| Online multi-band recon. | Online |
| FFT scale factor | 1.00 |
| Physio recording | Off |
| Triggering scheme | Standard |

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\SEField_i1.25_LR

TA: 0:22 PM: FIX Voxel size: 1.3×1.3×1.3 mmPAT: Off Rel. SNR: 1.00 : epse

Properties

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

Routine

| | |
|--------------------------|-------------------|
| Slice group | 1 |
| Slices | 45 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| TR | 4350 ms |
| TE | 46.20 ms |
| Multi-band accel. factor | 1 |
| Filter | Prescan Normalize |
| Coil elements | MC;MC;MC |

Contrast - Common

| | |
|-----------------------|----------|
| TR | 4350 ms |
| TE | 46.20 ms |
| MTC | Off |
| Magn. preparation | None |
| Flip angle | 90 deg |
| Refocus flip angle | 180 deg |
| Fat suppr. | Fat sat. |
| Grad. rev. fat suppr. | Enabled |

Contrast - Dynamic

| | |
|-----------------|-----------|
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 4 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| Base resolution | 76 |
| Phase resolution | 100 % |
| Phase partial Fourier | 6/8 |
| Interpolation | Off |

Resolution - iPAT

| | |
|----------|------|
| PAT mode | None |
|----------|------|

Resolution - Filter Image

| | |
|-------------------|-----|
| Distortion Corr. | Off |
| Prescan Normalize | On |
| Unfiltered images | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |
| Hamming | Off |

Geometry - Common

| | |
|--------------------------|-------------|
| Slice group | 1 |
| Slices | 45 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| TR | 4350 ms |
| Multi-slice mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 1 |

Geometry - AutoAlign

| | |
|---------------------|-------------|
| Slice group | 1 |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 90.00 deg |
| Initial Orientation | Transversal |

Geometry - Saturation

| | |
|-----------------------|----------|
| Fat suppr. | Fat sat. |
| Grad. rev. fat suppr. | Enabled |
| Special sat. | None |

System - Miscellaneous

| | |
|---------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Matrix Optimization | Off |
| AutoAlign | --- |
| Coil Select Mode | Default |

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |

System - Adjustments

| | |
|----------------------|------|
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

System - Adjust Volume

| | |
|---------------|-------------------|
| ! Position | L1.5 P7.0 F1.0 mm |
| ! Orientation | Transversal |
| ! Rotation | 0.00 deg |
| ! A >> P | 74 mm |
| ! R >> L | 61 mm |
| ! F >> H | 54 mm |
| Reset | Off |

System - pTx Volumes

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

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | High |
| Img. Scale Cor. | 0.250 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|--------------------------|---------|
| 1st Signal/Mode | None |
| TR | 4350 ms |
| Multi-band accel. factor | 1 |

BOLD

| | |
|-------------------------|----------|
| GLM Statistics | Off |
| Dynamic t-maps | Off |
| Ignore meas. at start | 0 |
| Ignore after transition | 0 |
| Model transition states | On |
| Temp. highpass filter | On |
| Threshold | 4.00 |
| Paradigm size | 15 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Baseline |
| Meas[4] | Baseline |
| Meas[5] | Baseline |
| Meas[6] | Baseline |
| Meas[7] | Baseline |
| Meas[8] | Baseline |
| Meas[9] | Baseline |
| Meas[10] | Baseline |
| Meas[11] | Active |
| Meas[12] | Active |
| Meas[13] | Active |
| Meas[14] | Active |
| Meas[15] | Active |
| Motion correction | Off |
| Spatial filter | Off |
| Measurements | 4 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Sequence - Part 1

| | |
|------------------|-------------|
| Introduction | Off |
| Contrasts | 1 |
| Multi-slice mode | Interleaved |

Sequence - Part 1

| | |
|-------------------|------------|
| Free echo spacing | On |
| Echo spacing | 0.95 ms |
| Bandwidth | 1370 Hz/Px |

Sequence - Part 2

| | |
|---------------|--------------|
| EPI factor | 76 |
| RF pulse type | Normal |
| Gradient mode | Performance* |
| Excitation | Standard |

Sequence - Special

| | |
|--------------------------|----------|
| SENSE1 coil combine | On |
| Invert RO/PE polarity | On |
| PF omits higher k-space | Off |
| Disable freq. update | Off |
| Force equal slice timing | Off |
| FFT scale factor | 0.60 |
| Physio recording | Off |
| Triggering scheme | Standard |

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\SEField_i1.25_RL

TA: 0:22 PM: FIX Voxel size: 1.3×1.3×1.3 mmPAT: Off Rel. SNR: 1.00 : epse

Properties

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

Routine

| | |
|--------------------------|-------------------|
| Slice group | 1 |
| Slices | 45 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| TR | 4450 ms |
| TE | 46.20 ms |
| Multi-band accel. factor | 1 |
| Filter | Prescan Normalize |
| Coil elements | MC;MC;MC |

Contrast - Common

| | |
|-----------------------|----------|
| TR | 4450 ms |
| TE | 46.20 ms |
| MTC | Off |
| Magn. preparation | None |
| Flip angle | 90 deg |
| Refocus flip angle | 180 deg |
| Fat suppr. | Fat sat. |
| Grad. rev. fat suppr. | Enabled |

Contrast - Dynamic

| | |
|-----------------|-----------|
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 4 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| Base resolution | 76 |
| Phase resolution | 100 % |
| Phase partial Fourier | 6/8 |
| Interpolation | Off |

Resolution - iPAT

| | |
|----------|------|
| PAT mode | None |
|----------|------|

Resolution - Filter Image

| | |
|-------------------|-----|
| Distortion Corr. | Off |
| Prescan Normalize | On |
| Unfiltered images | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |
| Hamming | Off |

Geometry - Common

| | |
|--------------------------|-------------|
| Slice group | 1 |
| Slices | 45 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| TR | 4450 ms |
| Multi-slice mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 1 |

Geometry - AutoAlign

| | |
|---------------------|-------------|
| Slice group | 1 |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 90.00 deg |
| Initial Orientation | Transversal |

Geometry - Saturation

| | |
|-----------------------|----------|
| Fat suppr. | Fat sat. |
| Grad. rev. fat suppr. | Enabled |
| Special sat. | None |

System - Miscellaneous

| | |
|---------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Matrix Optimization | Off |
| AutoAlign | --- |
| Coil Select Mode | Default |

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |

System - Adjustments

| | |
|----------------------|------|
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

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 Volumes

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

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | High |
| Img. Scale Cor. | 0.250 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|--------------------------|---------|
| 1st Signal/Mode | None |
| TR | 4450 ms |
| Multi-band accel. factor | 1 |

BOLD

| | |
|-------------------------|----------|
| GLM Statistics | Off |
| Dynamic t-maps | Off |
| Ignore meas. at start | 0 |
| Ignore after transition | 0 |
| Model transition states | On |
| Temp. highpass filter | On |
| Threshold | 4.00 |
| Paradigm size | 15 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Baseline |
| Meas[4] | Baseline |
| Meas[5] | Baseline |
| Meas[6] | Baseline |
| Meas[7] | Baseline |
| Meas[8] | Baseline |
| Meas[9] | Baseline |
| Meas[10] | Baseline |
| Meas[11] | Active |
| Meas[12] | Active |
| Meas[13] | Active |
| Meas[14] | Active |
| Meas[15] | Active |
| Motion correction | Off |
| Spatial filter | Off |
| Measurements | 4 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Sequence - Part 1

| | |
|------------------|-------------|
| Introduction | Off |
| Contrasts | 1 |
| Multi-slice mode | Interleaved |

Sequence - Part 1

| | |
|-------------------|------------|
| Free echo spacing | On |
| Echo spacing | 0.95 ms |
| Bandwidth | 1370 Hz/Px |

Sequence - Part 2

| | |
|---------------|--------------|
| EPI factor | 76 |
| RF pulse type | Normal |
| Gradient mode | Performance* |
| Excitation | Standard |

Sequence - Special

| | |
|--------------------------|----------|
| SENSE1 coil combine | On |
| Invert RO/PE polarity | Off |
| PF omits higher k-space | Off |
| Disable freq. update | Off |
| Force equal slice timing | Off |
| FFT scale factor | 0.60 |
| Physio recording | Off |
| Triggering scheme | Standard |

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\RFMRI_i1.25_LR

TA: 51:39 PM: FIX Voxel size: 1.3×1.3×1.3 mmPAT: Off Rel. SNR: 1.00 : epfd

Properties

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

Routine

| | |
|--------------------------|-------------------|
| Slice group | 1 |
| Slices | 45 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| TR | 755 ms |
| TE | 30.00 ms |
| Multi-band accel. factor | 5 |
| Filter | Prescan Normalize |
| Coil elements | MC;MC;MC |

Contrast - Common

| | |
|-------------------|----------|
| TR | 755 ms |
| TE | 30.00 ms |
| MTC | Off |
| Magn. preparation | None |
| Flip angle | 55 deg |
| Fat suppr. | Fat sat. |

Contrast - Dynamic

| | |
|-----------------|-----------|
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 4096 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| Base resolution | 76 |
| Phase resolution | 100 % |
| Phase partial Fourier | 6/8 |
| Interpolation | Off |

Resolution - iPAT

| | |
|----------|------|
| PAT mode | None |
|----------|------|

Resolution - Filter Image

| | |
|------------------|-----|
| Distortion Corr. | Off |
|------------------|-----|

Resolution - Filter Image

| | |
|-------------------|----|
| Prescan Normalize | On |
|-------------------|----|

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |
| Hamming | Off |

Geometry - Common

| | |
|--------------------------|-------------|
| Slice group | 1 |
| Slices | 45 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| FoV read | 95 mm |
| FoV phase | 100.0 % |
| Slice thickness | 1.25 mm |
| TR | 755 ms |
| Multi-slice mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 5 |

Geometry - AutoAlign

| | |
|---------------------|-------------|
| Slice group | 1 |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 90.00 deg |
| Initial Orientation | Transversal |

Geometry - Saturation

| | |
|--------------|----------|
| Fat suppr. | Fat sat. |
| Special sat. | None |

System - Miscellaneous

| | |
|---------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Matrix Optimization | Off |
| AutoAlign | --- |
| Coil Select Mode | Default |

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

System - Adjust Volume

| | |
|---------------|-------------------|
| ! Position | L1.5 P7.0 F1.0 mm |
| ! Orientation | Transversal |
| ! Rotation | 0.00 deg |
| ! A >> P | 74 mm |
| ! R >> L | 61 mm |
| ! F >> H | 54 mm |
| Reset | Off |

System - pTx Volumes

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

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | High |
| Img. Scale Cor. | 0.250 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|--------------------------|--------|
| 1st Signal/Mode | None |
| TR | 755 ms |
| Multi-band accel. factor | 5 |

BOLD

| | |
|-------------------------|----------|
| GLM Statistics | Off |
| Dynamic t-maps | Off |
| Ignore meas. at start | 0 |
| Ignore after transition | 0 |
| Model transition states | On |
| Temp. highpass filter | On |
| Threshold | 4.00 |
| Paradigm size | 20 |
| Meas[1] | Baseline |
| Meas[2] | Baseline |
| Meas[3] | Baseline |
| Meas[4] | Baseline |
| Meas[5] | Baseline |
| Meas[6] | Baseline |
| Meas[7] | Baseline |
| Meas[8] | Baseline |
| Meas[9] | Baseline |
| Meas[10] | Baseline |
| Meas[11] | Active |
| Meas[12] | Active |
| Meas[13] | Active |
| Meas[14] | Active |
| Meas[15] | Active |
| Meas[16] | Active |
| Meas[17] | Active |
| Meas[18] | Active |
| Meas[19] | Active |
| Meas[20] | Active |
| Motion correction | Off |
| Spatial filter | Off |
| Measurements | 4096 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Sequence - Part 1

| | |
|--------------|-----|
| Introduction | Off |
| Contrasts | 1 |
| Flow comp. | No |

Sequence - Part 1

| | |
|-------------------|-------------|
| Multi-slice mode | Interleaved |
| Free echo spacing | Off |
| Echo spacing | 0.95 ms |
| Bandwidth | 1370 Hz/Px |

Sequence - Part 2

| | |
|---------------|--------------|
| EPI factor | 76 |
| Gradient mode | Performance* |
| Excitation | Standard |
| RF spoiling | Off |

Sequence - Special

| | |
|--------------------------|----------|
| Excite pulse duration | 4900 us |
| Single-band images | On |
| MB LeakBlock kernel | On |
| MB dual kernel | Off |
| MB RF phase scramble | On |
| SENSE1 coil combine | Off |
| Invert RO/PE polarity | On |
| PF omits higher k-space | Off |
| Disable freq. update | Off |
| Force equal slice timing | Off |
| Online multi-band recon. | Online |
| FFT scale factor | 1.00 |
| Physio recording | Off |
| Triggering scheme | Standard |

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\DWI_i0.9_273dirRL

TA: 15:58 PM: FIX Voxel size: 0.9×0.9×0.9 mmPAT: 2 Rel. SNR: 1.00 : epse

Properties

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

Routine

| | |
|--------------------------|-------------------|
| Slice group | 1 |
| Slices | 66 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| FoV read | 90 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.90 mm |
| TR | 3400 ms |
| TE | 72.80 ms |
| Multi-band accel. factor | 2 |
| Filter | Prescan Normalize |
| Coil elements | MC;MC;MC |

Contrast - Common

| | |
|-----------------------|----------|
| TR | 3400 ms |
| TE | 72.80 ms |
| MTC | Off |
| Magn. preparation | None |
| Flip angle | 90 deg |
| Refocus flip angle | 180 deg |
| Fat suppr. | None |
| Grad. rev. fat suppr. | Enabled |

Contrast - Dynamic

| | |
|-----------------|-----------|
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 1 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 90 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.90 mm |
| Base resolution | 100 |
| Phase resolution | 90 % |
| Phase partial Fourier | 6/8 |
| Interpolation | Off |

Resolution - iPAT

| | |
|------------------|--------|
| PAT mode | GRAPPA |
| Accel. factor PE | 2 |

Resolution - iPAT

| | |
|---------------------|-----|
| Ref. lines PE | 36 |
| Reference scan mode | GRE |

Resolution - Filter Image

| | |
|---------------------|-----|
| Distortion Corr. | Off |
| Prescan Normalize | On |
| Dynamic Field Corr. | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |

Geometry - Common

| | |
|--------------------------|-------------|
| Slice group | 1 |
| Slices | 66 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| FoV read | 90 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.90 mm |
| TR | 3400 ms |
| Multi-slice mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 2 |

Geometry - AutoAlign

| | |
|---------------------|-------------|
| Slice group | 1 |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 90.00 deg |
| Initial Orientation | Transversal |

Geometry - Saturation

| | |
|-----------------------|---------|
| Fat suppr. | None |
| Grad. rev. fat suppr. | Enabled |
| Special sat. | None |

Geometry - Navigator**System - Miscellaneous**

| | |
|---------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Matrix Optimization | Off |
| AutoAlign | --- |
| Coil Select Mode | Default |

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

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 Volumes

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

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | High |
| Img. Scale Cor. | 0.250 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|--------------------------|---------|
| 1st Signal/Mode | None |
| TR | 3400 ms |
| Multi-band accel. factor | 2 |

Physio - PACE

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

Diff - Neuro

| | |
|-----------------------|------------------------|
| Diffusion mode | Free |
| Diff. directions | 273 |
| Diffusion Scheme | Monopolar |
| Diff. weightings | 2 |
| b-value 1 | 0 s/mm ² |
| b-value 2 | 3000 s/mm ² |
| b-value 1 | 1 |
| b-value 2 | 1 |
| Diff. weighted images | On |
| Trace weighted images | Off |
| ADC maps | Off |
| FA maps | Off |
| Mosaic | On |
| Tensor | Off |
| Noise level | 40 |

Diff - Body

| | |
|------------------|------------------------|
| Diffusion mode | Free |
| Diff. directions | 273 |
| Diffusion Scheme | Monopolar |
| Diff. weightings | 2 |
| b-value 1 | 0 s/mm ² |
| b-value 2 | 3000 s/mm ² |
| b-value 1 | 1 |

Diff - Body

| | |
|-----------------------|---------------------|
| b-value 2 | 1 |
| Diff. weighted images | On |
| Trace weighted images | Off |
| ADC maps | Off |
| Exponential ADC Maps | Off |
| FA maps | Off |
| Invert Gray Scale | Off |
| Calculated Image | Off |
| b-Value >= | 0 s/mm ² |
| Noise level | 40 |

Diff - Composing

| | |
|------------------|-----|
| Distortion Corr. | Off |
|------------------|-----|

Sequence - Part 1

| | |
|-------------------|-------------|
| Introduction | Off |
| Multi-slice mode | Interleaved |
| Free echo spacing | Off |
| Echo spacing | 1.11 ms |
| Bandwidth | 1064 Hz/Px |

Sequence - Part 2

| | |
|---------------|--------------|
| EPI factor | 90 |
| Gradient mode | Performance* |
| Excitation | Standard |
| RF spoiling | Off |

Sequence - Special

| | |
|--------------------------|----------|
| Excite pulse duration | 2560 us |
| Refocus pulse duration | 5760 us |
| Single-band images | Off |
| MB LeakBlock kernel | On |
| MB dual kernel | Off |
| MB RF phase scramble | Off |
| Time-shifted MB RF | Off |
| SENSE1 coil combine | On |
| Invert RO/PE polarity | Off |
| PF omits higher k-space | Off |
| Disable freq. update | Off |
| Force equal slice timing | Off |
| Online multi-band recon. | Online |
| FFT scale factor | 1.00 |
| GRE iPAT ref. FA | 12.0 deg |
| Physio recording | Off |

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\DWI_i0.9_276dirLR

TA: 16:08 PM: FIX Voxel size: 0.9×0.9×0.9 mmPAT: 2 Rel. SNR: 1.00 : epse

Properties

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

Routine

| | |
|--------------------------|-------------------|
| Slice group | 1 |
| Slices | 66 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| FoV read | 90 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.90 mm |
| TR | 3400 ms |
| TE | 72.80 ms |
| Multi-band accel. factor | 2 |
| Filter | Prescan Normalize |
| Coil elements | MC;MC;MC |

Contrast - Common

| | |
|-----------------------|----------|
| TR | 3400 ms |
| TE | 72.80 ms |
| MTC | Off |
| Magn. preparation | None |
| Flip angle | 90 deg |
| Refocus flip angle | 180 deg |
| Fat suppr. | None |
| Grad. rev. fat suppr. | Enabled |

Contrast - Dynamic

| | |
|-----------------|-----------|
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 1 |
| Delay in TR | 0 ms |
| Multiple series | Off |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 90 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.90 mm |
| Base resolution | 100 |
| Phase resolution | 90 % |
| Phase partial Fourier | 6/8 |
| Interpolation | Off |

Resolution - iPAT

| | |
|------------------|--------|
| PAT mode | GRAPPA |
| Accel. factor PE | 2 |

Resolution - iPAT

| | |
|---------------------|-----|
| Ref. lines PE | 36 |
| Reference scan mode | GRE |

Resolution - Filter Image

| | |
|---------------------|-----|
| Distortion Corr. | Off |
| Prescan Normalize | On |
| Dynamic Field Corr. | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |

Geometry - Common

| | |
|--------------------------|-------------|
| Slice group | 1 |
| Slices | 66 |
| Dist. factor | 0 % |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| FoV read | 90 mm |
| FoV phase | 100.0 % |
| Slice thickness | 0.90 mm |
| TR | 3400 ms |
| Multi-slice mode | Interleaved |
| Series | Interleaved |
| Multi-band accel. factor | 2 |

Geometry - AutoAlign

| | |
|---------------------|-------------|
| Slice group | 1 |
| Position | Isocenter |
| Orientation | Transversal |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 90.00 deg |
| Initial Orientation | Transversal |

Geometry - Saturation

| | |
|-----------------------|---------|
| Fat suppr. | None |
| Grad. rev. fat suppr. | Enabled |
| Special sat. | None |

Geometry - Navigator**System - Miscellaneous**

| | |
|---------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Matrix Optimization | Off |
| AutoAlign | --- |
| Coil Select Mode | Default |

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

System - Adjust Volume

| | |
|---------------|--------------------|
| ! Position | L1.5 P17.0 H1.2 mm |
| ! Orientation | Transversal |
| ! Rotation | 0.00 deg |
| ! A >> P | 74 mm |
| ! R >> L | 61 mm |
| ! F >> H | 54 mm |
| Reset | Off |

System - pTx Volumes

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

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | High |
| Img. Scale Cor. | 0.250 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|--------------------------|---------|
| 1st Signal/Mode | None |
| TR | 3400 ms |
| Multi-band accel. factor | 2 |

Physio - PACE

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

Diff - Neuro

| | |
|-----------------------|------------------------|
| Diffusion mode | Free |
| Diff. directions | 276 |
| Diffusion Scheme | Monopolar |
| Diff. weightings | 2 |
| b-value 1 | 0 s/mm ² |
| b-value 2 | 3000 s/mm ² |
| b-value 1 | 1 |
| b-value 2 | 1 |
| Diff. weighted images | On |
| Trace weighted images | Off |
| ADC maps | Off |
| FA maps | Off |
| Mosaic | On |
| Tensor | Off |
| Noise level | 40 |

Diff - Body

| | |
|------------------|------------------------|
| Diffusion mode | Free |
| Diff. directions | 276 |
| Diffusion Scheme | Monopolar |
| Diff. weightings | 2 |
| b-value 1 | 0 s/mm ² |
| b-value 2 | 3000 s/mm ² |
| b-value 1 | 1 |

Diff - Body

| | |
|-----------------------|---------------------|
| b-value 2 | 1 |
| Diff. weighted images | On |
| Trace weighted images | Off |
| ADC maps | Off |
| Exponential ADC Maps | Off |
| FA maps | Off |
| Invert Gray Scale | Off |
| Calculated Image | Off |
| b-Value >= | 0 s/mm ² |
| Noise level | 40 |

Diff - Composing

| | |
|------------------|-----|
| Distortion Corr. | Off |
|------------------|-----|

Sequence - Part 1

| | |
|-------------------|-------------|
| Introduction | Off |
| Multi-slice mode | Interleaved |
| Free echo spacing | Off |
| Echo spacing | 1.11 ms |
| Bandwidth | 1064 Hz/Px |

Sequence - Part 2

| | |
|---------------|--------------|
| EPI factor | 90 |
| Gradient mode | Performance* |
| Excitation | Standard |
| RF spoiling | Off |

Sequence - Special

| | |
|--------------------------|----------|
| Excite pulse duration | 2560 us |
| Refocus pulse duration | 5760 us |
| Single-band images | Off |
| MB LeakBlock kernel | On |
| MB dual kernel | Off |
| MB RF phase scramble | Off |
| Time-shifted MB RF | Off |
| SENSE1 coil combine | On |
| Invert RO/PE polarity | On |
| PF omits higher k-space | Off |
| Disable freq. update | Off |
| Force equal slice timing | Off |
| Online multi-band recon. | Online |
| FFT scale factor | 1.00 |
| GRE iPAT ref. FA | 12.0 deg |
| Physio recording | Off |

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\BIAS_M24ch_av5

TA: 1:28 PM: FIX Voxel size: 2.0×2.0×2.0 mmPAT: Off Rel. SNR: 1.00 : tf

Properties

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

Routine

| | |
|--------------------|-----------|
| Slab group | 1 |
| Slabs | 1 |
| Dist. factor | 50 % |
| Position | Isocenter |
| Orientation | C > T27.5 |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| Slice oversampling | 12.5 % |
| Slices per slab | 64 |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 2.00 mm |
| TR | 361.0 ms |
| TE | 1.02 ms |
| Averages | 5 |
| Concatenations | 1 |
| Filter | Normalize |
| Coil elements | BC |

Contrast - Common

| | |
|-------------------|----------|
| TR | 361.0 ms |
| TE | 1.02 ms |
| Magn. preparation | None |
| Flip angle | 3 deg |
| Fat suppr. | None |
| Water suppr. | None |

Contrast - Dynamic

| | |
|-----------------|------------------|
| Averages | 5 |
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 1 |
| Multiple series | Each measurement |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 2.00 mm |
| Base resolution | 64 |
| Phase resolution | 100 % |
| Slice resolution | 100 % |
| Phase partial Fourier | 6/8 |
| Slice partial Fourier | 6/8 |
| Interpolation | Off |

Resolution - iPAT

| | |
|----------|------|
| PAT mode | None |
|----------|------|

Resolution - Filter Image

| | |
|-------------------|-----|
| Image Filter | Off |
| Distortion Corr. | Off |
| Prescan Normalize | Off |
| Normalize | On |
| Unfiltered images | Off |
| B1 filter | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |

Geometry - Common

| | |
|--------------------|-------------|
| Slab group | 1 |
| Slabs | 1 |
| Dist. factor | 50 % |
| Position | Isocenter |
| Orientation | C > T27.5 |
| Phase enc. dir. | R >> L |
| Slice oversampling | 12.5 % |
| Slices per slab | 64 |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 2.00 mm |
| TR | 361.0 ms |
| Multi-slice mode | Single shot |
| Series | Interleaved |
| Concatenations | 1 |

Geometry - AutoAlign

| | |
|---------------------|-----------|
| Slab group | 1 |
| Position | Isocenter |
| Orientation | C > T27.5 |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 0.00 deg |
| Initial Orientation | C > T |
| C > T | 27.5 |
| > S | 0.0 |

Geometry - Navigator**System - Miscellaneous**

| | |
|---------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Save uncombined | Off |
| Matrix Optimization | Off |
| AutoAlign | --- |

System - Miscellaneous

| | |
|------------------|---------|
| Coil Select Mode | Default |
|------------------|---------|

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

System - Adjust Volume

| | |
|---------------|---------------------|
| ! Position | R0.7 P51.7 F27.4 mm |
| ! Orientation | T > C-28.3 |
| ! Rotation | 0.00 deg |
| ! A >> P | 53 mm |
| ! R >> L | 79 mm |
| ! F >> H | 78 mm |
| Reset | Off |

System - pTx Volumes

| | |
|--------------|----------|
| B1 Shim mode | TrueForm |
| Excitation | Non-sel. |

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | Low |
| Img. Scale Cor. | 1.000 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|-----------------|----------|
| 1st Signal/Mode | None |
| TR | 361.0 ms |
| Concatenations | 1 |

Physio - Cardiac

| | |
|-------------------|---------|
| Magn. preparation | None |
| Fat suppr. | None |
| Dark blood | Off |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Phase resolution | 100 % |

Physio - PACE

| | |
|----------------|-----|
| Resp. control | Off |
| Concatenations | 1 |

Inline - Common

| | |
|----------------------|-----|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Save original images | On |

Inline - MIP

| | |
|----------------------|-----|
| MIP-Sag | Off |
| MIP-Cor | Off |
| MIP-Tra | Off |
| MIP-Time | Off |
| Save original images | On |

Inline - Composing

| | |
|------------------|-----|
| Distortion Corr. | Off |
|------------------|-----|

Inline - MapIt

| | |
|----------------------|----------|
| Save original images | On |
| MapIt | None |
| Flip angle | 3 deg |
| Measurements | 1 |
| TR | 361.0 ms |
| TE | 1.02 ms |

Sequence - Part 1

| | |
|---------------------|-------------|
| Introduction | On |
| Dimension | 3D |
| Elliptical scanning | Off |
| Reordering | Linear |
| Asymmetric echo | Allowed |
| Flow comp. | No |
| Multi-slice mode | Single shot |
| Echo spacing | 3.1 ms |
| Bandwidth | 540 Hz/Px |

Sequence - Part 2

| | |
|-------------------------|----------|
| RF pulse type | Fast |
| Gradient mode | Fast |
| Excitation | Non-sel. |
| RF spoiling | On |
| Incr. Gradient spoiling | Off |
| Turbo factor | 54 |

Sequence - Assistant

| | |
|------|-----|
| Mode | Off |
|------|-----|

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\BIAS_BC_av5

TA: 1:28 PM: FIX Voxel size: 2.0×2.0×2.0 mmPAT: Off Rel. SNR: 1.00 : tf

Properties

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

Routine

| | |
|--------------------|-----------|
| Slab group | 1 |
| Slabs | 1 |
| Dist. factor | 50 % |
| Position | Isocenter |
| Orientation | C > T27.5 |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| Slice oversampling | 12.5 % |
| Slices per slab | 64 |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 2.00 mm |
| TR | 361.0 ms |
| TE | 1.02 ms |
| Averages | 5 |
| Concatenations | 1 |
| Filter | Normalize |
| Coil elements | BC |

Contrast - Common

| | |
|-------------------|----------|
| TR | 361.0 ms |
| TE | 1.02 ms |
| Magn. preparation | None |
| Flip angle | 3 deg |
| Fat suppr. | None |
| Water suppr. | None |

Contrast - Dynamic

| | |
|-----------------|------------------|
| Averages | 5 |
| Averaging mode | Long term |
| Reconstruction | Magnitude |
| Measurements | 1 |
| Multiple series | Each measurement |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 2.00 mm |
| Base resolution | 64 |
| Phase resolution | 100 % |
| Slice resolution | 100 % |
| Phase partial Fourier | 6/8 |
| Slice partial Fourier | 6/8 |
| Interpolation | Off |

Resolution - iPAT

| | |
|----------|------|
| PAT mode | None |
|----------|------|

Resolution - Filter Image

| | |
|-------------------|-----|
| Image Filter | Off |
| Distortion Corr. | Off |
| Prescan Normalize | Off |
| Normalize | On |
| Unfiltered images | Off |
| B1 filter | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |

Geometry - Common

| | |
|--------------------|-------------|
| Slab group | 1 |
| Slabs | 1 |
| Dist. factor | 50 % |
| Position | Isocenter |
| Orientation | C > T27.5 |
| Phase enc. dir. | R >> L |
| Slice oversampling | 12.5 % |
| Slices per slab | 64 |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 2.00 mm |
| TR | 361.0 ms |
| Multi-slice mode | Single shot |
| Series | Interleaved |
| Concatenations | 1 |

Geometry - AutoAlign

| | |
|---------------------|-----------|
| Slab group | 1 |
| Position | Isocenter |
| Orientation | C > T27.5 |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 0.00 deg |
| Initial Orientation | C > T |
| C > T | 27.5 |
| > S | 0.0 |

Geometry - Navigator**System - Miscellaneous**

| | |
|---------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Save uncombined | Off |
| Matrix Optimization | Off |
| AutoAlign | --- |

System - Miscellaneous

| | |
|------------------|-----------|
| Coil Select Mode | Off - All |
|------------------|-----------|

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

System - Adjust Volume

| | |
|---------------|---------------------|
| ! Position | R0.7 P51.7 F27.4 mm |
| ! Orientation | T > C-28.3 |
| ! Rotation | 0.00 deg |
| ! A >> P | 53 mm |
| ! R >> L | 79 mm |
| ! F >> H | 78 mm |
| Reset | Off |

System - pTx Volumes

| | |
|--------------|----------|
| B1 Shim mode | TrueForm |
| Excitation | Non-sel. |

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | Low |
| Img. Scale Cor. | 1.000 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Physio - Signal1

| | |
|-----------------|----------|
| 1st Signal/Mode | None |
| TR | 361.0 ms |
| Concatenations | 1 |

Physio - Cardiac

| | |
|-------------------|---------|
| Magn. preparation | None |
| Fat suppr. | None |
| Dark blood | Off |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Phase resolution | 100 % |

Physio - PACE

| | |
|----------------|-----|
| Resp. control | Off |
| Concatenations | 1 |

Inline - Common

| | |
|----------------------|-----|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Save original images | On |

Inline - MIP

| | |
|----------------------|-----|
| MIP-Sag | Off |
| MIP-Cor | Off |
| MIP-Tra | Off |
| MIP-Time | Off |
| Save original images | On |

Inline - Composing

| | |
|------------------|-----|
| Distortion Corr. | Off |
|------------------|-----|

Inline - MapIt

| | |
|----------------------|----------|
| Save original images | On |
| MapIt | None |
| Flip angle | 3 deg |
| Measurements | 1 |
| TR | 361.0 ms |
| TE | 1.02 ms |

Sequence - Part 1

| | |
|---------------------|-------------|
| Introduction | On |
| Dimension | 3D |
| Elliptical scanning | Off |
| Reordering | Linear |
| Asymmetric echo | Allowed |
| Flow comp. | No |
| Multi-slice mode | Single shot |
| Echo spacing | 3.1 ms |
| Bandwidth | 540 Hz/Px |

Sequence - Part 2

| | |
|-------------------------|----------|
| RF pulse type | Fast |
| Gradient mode | Fast |
| Excitation | Non-sel. |
| RF spoiling | On |
| Incr. Gradient spoiling | Off |
| Turbo factor | 54 |

Sequence - Assistant

| | |
|------|-----|
| Mode | Off |
|------|-----|

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\B1mapForT1mapping_s122

TA: 0:40 PM: FIX Voxel size: 2.0x2.0x2.0 mmPAT: Off Rel. SNR: 1.00 : tfl

Properties

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

Routine

| | |
|--------------------|------------|
| Slice group | 1 |
| Slices | 22 |
| Dist. factor | 100 % |
| Position | Isocenter |
| Orientation | C > T27.5 |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 2.0 mm |
| TR | 20000.0 ms |
| TE | 2.54 ms |
| Averages | 1 |
| Concatenations | 1 |
| Filter | None |
| Coil elements | BC |

Contrast - Common

| | |
|-------------------|------------|
| TR | 20000.0 ms |
| TE | 2.54 ms |
| Magn. preparation | None |
| Flip angle | 8 deg |
| Fat suppr. | None |
| Water suppr. | None |

Contrast - Dynamic

| | |
|-----------------|------------------|
| Averages | 1 |
| Reconstruction | Magnitude |
| Measurements | 1 |
| Multiple series | Each measurement |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 2.0 mm |
| Base resolution | 64 |
| Phase resolution | 100 % |
| Phase partial Fourier | Off |
| Interpolation | Off |

Resolution - iPAT

| | |
|----------|------|
| PAT mode | None |
|----------|------|

Resolution - Filter Image

| | |
|-------------------|-----|
| Image Filter | Off |
| Distortion Corr. | Off |
| Prescan Normalize | Off |
| Normalize | Off |
| B1 filter | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |

Geometry - Common

| | |
|------------------|-------------|
| Slice group | 1 |
| Slices | 22 |
| Dist. factor | 100 % |
| Position | Isocenter |
| Orientation | C > T27.5 |
| Phase enc. dir. | R >> L |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 2.0 mm |
| TR | 20000.0 ms |
| Multi-slice mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

Geometry - AutoAlign

| | |
|---------------------|-----------|
| Slice group | 1 |
| Position | Isocenter |
| Orientation | C > T27.5 |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 0.00 deg |
| Initial Orientation | C > T |
| C > T | 27.5 |
| > S | 0.0 |

System - Miscellaneous

| | |
|---------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Save uncombined | Off |
| Matrix Optimization | Off |
| AutoAlign | --- |
| Coil Select Mode | Default |

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |

System - Adjustments

| | |
|----------------------|------|
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

System - Adjust Volume

| | |
|---------------|---------------------|
| ! Position | R0.7 P51.7 F27.4 mm |
| ! Orientation | T > C-28.3 |
| ! Rotation | 0.00 deg |
| ! A >> P | 53 mm |
| ! R >> L | 79 mm |
| ! F >> H | 78 mm |
| Reset | Off |

System - pTx Volumes

| | |
|--------------|------------|
| B1 Shim mode | TrueForm |
| Excitation | Slice-sel. |

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | High |
| Img. Scale Cor. | 1.000 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Inline - Common

| | |
|----------------------|-----|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Save original images | On |

Inline - MIP

| | |
|----------------------|-----|
| MIP-Sag | Off |
| MIP-Cor | Off |
| MIP-Tra | Off |
| MIP-Time | Off |
| Save original images | On |

Inline - Composing

| | |
|------------------|-----|
| Distortion Corr. | Off |
|------------------|-----|

Sequence - Part 1

| | |
|------------------|-------------|
| Introduction | Off |
| Dimension | 2D |
| Asymmetric echo | Allowed |
| Flow comp. | No |
| Multi-slice mode | Interleaved |
| Echo spacing | 4.9 ms |
| Bandwidth | 490 Hz/Px |

Sequence - Part 2

| | |
|---------------|------------|
| RF pulse type | Low SAR |
| Gradient mode | Normal |
| Excitation | Slice-sel. |
| RF spoiling | On |
| Turbo factor | 64 |

Sequence - Assistant

| | |
|------|-----|
| Mode | Off |
|------|-----|

\\USER\NHP-HCP\NHP-HCP_macaque\NHP-HCP_MacaqueSedatedBOLD_v1.0\B1mapForT1mapping_s123

TA: 0:40 PM: FIX Voxel size: 2.0x2.0x2.0 mmPAT: Off Rel. SNR: 1.00 : tfl

Properties

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

Routine

| | |
|--------------------|------------|
| Slice group | 1 |
| Slices | 23 |
| Dist. factor | 100 % |
| Position | Isocenter |
| Orientation | C > T27.5 |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Phase oversampling | 0 % |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 2.0 mm |
| TR | 20000.0 ms |
| TE | 2.54 ms |
| Averages | 1 |
| Concatenations | 1 |
| Filter | None |
| Coil elements | BC |

Contrast - Common

| | |
|-------------------|------------|
| TR | 20000.0 ms |
| TE | 2.54 ms |
| Magn. preparation | None |
| Flip angle | 8 deg |
| Fat suppr. | None |
| Water suppr. | None |

Contrast - Dynamic

| | |
|-----------------|------------------|
| Averages | 1 |
| Reconstruction | Magnitude |
| Measurements | 1 |
| Multiple series | Each measurement |

Resolution - Common

| | |
|-----------------------|---------|
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 2.0 mm |
| Base resolution | 64 |
| Phase resolution | 100 % |
| Phase partial Fourier | Off |
| Interpolation | Off |

Resolution - iPAT

| | |
|----------|------|
| PAT mode | None |
|----------|------|

Resolution - Filter Image

| | |
|-------------------|-----|
| Image Filter | Off |
| Distortion Corr. | Off |
| Prescan Normalize | Off |
| Normalize | Off |
| B1 filter | Off |

Resolution - Filter Rawdata

| | |
|-------------------|-----|
| Raw filter | Off |
| Elliptical filter | Off |

Geometry - Common

| | |
|------------------|-------------|
| Slice group | 1 |
| Slices | 23 |
| Dist. factor | 100 % |
| Position | Isocenter |
| Orientation | C > T27.5 |
| Phase enc. dir. | R >> L |
| FoV read | 128 mm |
| FoV phase | 100.0 % |
| Slice thickness | 2.0 mm |
| TR | 20000.0 ms |
| Multi-slice mode | Interleaved |
| Series | Interleaved |
| Concatenations | 1 |

Geometry - AutoAlign

| | |
|---------------------|-----------|
| Slice group | 1 |
| Position | Isocenter |
| Orientation | C > T27.5 |
| Phase enc. dir. | R >> L |
| AutoAlign | --- |
| Initial Position | Isocenter |
| L | 0.0 mm |
| P | 0.0 mm |
| H | 0.0 mm |
| Initial Rotation | 0.00 deg |
| Initial Orientation | C > T |
| C > T | 27.5 |
| > S | 0.0 |

System - Miscellaneous

| | |
|---------------------|----------------|
| Positioning mode | FIX |
| Table position | H |
| Table position | 0 mm |
| MSMA | S - C - T |
| Sagittal | R >> L |
| Coronal | A >> P |
| Transversal | F >> H |
| Coil Combine Mode | Sum of Squares |
| Save uncombined | Off |
| Matrix Optimization | Off |
| AutoAlign | --- |
| Coil Select Mode | Default |

System - Adjustments

| | |
|--------------------------|----------|
| B0 Shim mode | Tune up |
| B1 Shim mode | TrueForm |
| Adjust with body coil | Off |
| Confirm freq. adjustment | Off |

System - Adjustments

| | |
|----------------------|------|
| Assume Dominant Fat | Off |
| Assume Silicone | Off |
| Adjustment Tolerance | Auto |

System - Adjust Volume

| | |
|---------------|---------------------|
| ! Position | R0.7 P51.7 F27.4 mm |
| ! Orientation | T > C-28.3 |
| ! Rotation | 0.00 deg |
| ! A >> P | 53 mm |
| ! R >> L | 79 mm |
| ! F >> H | 78 mm |
| Reset | Off |

System - pTx Volumes

| | |
|--------------|------------|
| B1 Shim mode | TrueForm |
| Excitation | Slice-sel. |

System - Tx/Rx

| | |
|---------------------|----------------|
| Frequency 1H | 123.250615 MHz |
| Correction factor | 1 |
| Gain | High |
| Img. Scale Cor. | 1.000 |
| Reset | Off |
| ? Ref. amplitude 1H | 0.000 V |

Inline - Common

| | |
|----------------------|-----|
| Subtract | Off |
| Measurements | 1 |
| StdDev | Off |
| Save original images | On |

Inline - MIP

| | |
|----------------------|-----|
| MIP-Sag | Off |
| MIP-Cor | Off |
| MIP-Tra | Off |
| MIP-Time | Off |
| Save original images | On |

Inline - Composing

| | |
|------------------|-----|
| Distortion Corr. | Off |
|------------------|-----|

Sequence - Part 1

| | |
|------------------|-------------|
| Introduction | Off |
| Dimension | 2D |
| Asymmetric echo | Allowed |
| Flow comp. | No |
| Multi-slice mode | Interleaved |
| Echo spacing | 4.9 ms |
| Bandwidth | 490 Hz/Px |

Sequence - Part 2

| | |
|---------------|------------|
| RF pulse type | Low SAR |
| Gradient mode | Normal |
| Excitation | Slice-sel. |
| RF spoiling | On |
| Turbo factor | 64 |

Sequence - Assistant

| | |
|------|-----|
| Mode | Off |
|------|-----|