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Software Stream

2.6.3.5

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(2) (1) (12) Hospital (1) DKennedy (1) Ping-12152010 (12) 36:15.2 Survey 00:37.8  
 RefScan 00:29.7 T2W\_TSE 01:54.0 MPRAGE 09:19.7 B0\_AD 00:36.0 B0\_PD 00:36.0  
 DiffHR2.5NoSense 05:15.0 DiffHR2.5NoSense 05:15.0 BO\_AF 00:20.0 BO\_PF 00:20.0  
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Hospital (1) | DKennedy (1) | Ping-12152010 (12) 36:15.2 | Survey 00:37.8

| INFO PAGE                     |                    | GEOMETRY               |              | CONTRAST                 |              |
|-------------------------------|--------------------|------------------------|--------------|--------------------------|--------------|
| Total scan duration           | 00:37.8            | Nucleus                | H1           | Scan type                | Imaging      |
| Rel. signal level (%)         | 100                | Coil selection         | SENSE-Head-8 | Scan mode                | M2D          |
| Act. TR/TE (ms)               | 11 / 4.0           | element selection      | SENSE        | technique                | FFE          |
| ACQ matrix M x P              | 256 x 128          | connection             | d            | Contrast enhancement     | T1           |
| ACQ voxel MPS (mm)            | 0.98 / 1.95 / 10.0 | Dual coil              | no           | Acquisition mode         | cartesian    |
| REC voxel MPS (mm)            | 0.49 / 0.49 / 10.0 | Multi coil             | no           | Fast Imaging mode        | TFE          |
| Scan percentage (%)           | 50                 | Homogeneity correction | none         | shot mode                | multishot    |
| TFE shots                     | 2                  | CLEAR                  | no           | TFE factor               | 64           |
| TFE dur. shot / acq (ms)      | 1146.5 / 673.9     | FOV FH (mm)            | 250          | startup echoes           | default      |
| TFE shot interval (ms)        | 1146.484           | AP (mm)                | 250          | shot interval            | shortest     |
| Min. TI delay                 | 381.0598           | stack RL (mm)          | 90           | profile order            | linear       |
| Act. WFS (pix) / BW (Hz)      | 3.496 / 124.3      | Voxel size FH (mm)     | 0.9765625    | Echoes                   | 1            |
| Min. WFS (pix) / Max. BW (Hz) | 1.045 / 415.8      | AP (mm)                | 1.953125     | partial echo             | yes          |
| Min. TR/TE (ms)               | 11 / 2.4           | Slice thickness (mm)   | 10           | shifted echo             | no           |
| SAR / head                    | < 8 % / 0.2 W/kg   | Recon voxel size (mm)  | 0.4882813    | TE                       | user defined |
| Whole body / level            | 0.0 W/kg / normal  | Fold-over suppression  | no           | (ms)                     | 4            |
| B1 rms [uT]                   | 0.6496976          | Reconstruction matrix  | 512          | Flip angle (deg)         | 10           |
| PNS / level                   | 16 % / normal      | SENSE                  | no           | TR                       | shortest     |
| Sound Pressure Level (dB)     | 1.972355           | Stacks                 | 3            | Halfscan                 | no           |
| <b>MOTION</b>                 |                    | current                | A            | Water-fat shift (pixels) | user defined |
| Cardiac synchronization       | no                 | type                   | parallel     | Shim                     | default      |
|                               |                    | slices                 | 5            | Fat suppression          | no           |
|                               |                    | slice gap              | user defined | Water suppression        | no           |
|                               |                    | gap (mm)               | 10           | TFE prepulse             | invert       |
|                               |                    |                        |              | slice selection          | no           |
|                               |                    |                        |              | shared                   | no           |
|                               |                    |                        |              | delay                    | user defined |

|                            |                |                         |          |                   |          |
|----------------------------|----------------|-------------------------|----------|-------------------|----------|
| Respiratory compensation   | no             | slice orientation       | sagittal | (ms)              | 800      |
| Navigator respiratory comp | no             | fold-over direction     | AP       | PSIR              | no       |
| Flow compensation          | no             | fat shift direction     | F        | MTC               | no       |
| fMRI echo stabilisation    | no             | Slice scan order        | default  | T2prep            | no       |
| Motion smoothing           | no             | Stack scan order        | ascend   | Research prepulse | no       |
| NSA                        | 1              | Move table per stack    | no       | Diffusion mode    | no       |
| <b>DYN/ANG</b>             |                | Stack alignment         | no       | SAR mode          | high     |
| Angio / Contrast enh.      | no             | Stack display order     | no       | B1 mode           | default  |
| Quantitative flow          | no             | PlanAlign               | no       | PNS mode          | moderate |
| Manual start               | no             | REST slabs              | 0        | Gradient mode     | regular  |
| Dynamic study              | no             | Interactive positioning | no       | SoftTone mode     | no       |
| Arterial Spin labeling     | no             | <b>OFFC/ANG</b>         |          |                   |          |
| <b>POST/PROC</b>           |                | Stacks                  | 3        |                   |          |
| Preparation phases         | auto           | current                 | A        |                   |          |
| Manual Offset Freq.        | no             | Stack Offc. AP (P=+mm)  | 0        |                   |          |
| B0 field map/Dixon         | no             | RL (L=+mm)              | 0        |                   |          |
| B1 field map               | no             | FH (H=+mm)              | 0        |                   |          |
| MIP/MPR                    | no             | Ang. AP (deg)           | 0        |                   |          |
| Images                     | M, no, no, no  | RL (deg)                | 0        |                   |          |
| Autoview image             | M              | FH (deg)                | 0        |                   |          |
| Calculated images          | no, no, no, no |                         |          |                   |          |
| Reference tissue           | Grey matter    |                         |          |                   |          |
| Preset window contrast     | soft           |                         |          |                   |          |
| Reconstruction mode        | real time      |                         |          |                   |          |
| Save raw data              | no             |                         |          |                   |          |
| Hardcopy protocol          | no             |                         |          |                   |          |
| Ringling filtering         | rectangular    |                         |          |                   |          |
| Geometry correction        | default        |                         |          |                   |          |

Hospital (1) | DKennedy (1) | Ping-12152010 (12) 36:15.2 | RefScan 00:29.7

| INFO PAGE                     |                    | GEOMETRY                 |              | CONTRAST                 |              |
|-------------------------------|--------------------|--------------------------|--------------|--------------------------|--------------|
| Total scan duration           | 00:29.7            | Coil selection           | SENSE-Head-8 | Coil selection           | SENSE-Head-8 |
| Rel. signal level (%)         | 100                | element selection        | SENSE        | element selection        | SENSE        |
| Act. TR/TE (ms)               | 4.0 / 0.79         | connection               | d            | connection               | d            |
| ACQ matrix M x P              | 96 x 49            | Dual coil                | no           | Dual coil                | no           |
| ACQ voxel MPS (mm)            | 4.69 / 6.04 / 6.00 | Fold-over suppression    | yes          | Fold-over suppression    | yes          |
| REC voxel MPS (mm)            | 4.69 / 4.69 / 3.00 | Stack Offc. AP (P=+mm)   | 27.59197     | Stack Offc. AP (P=+mm)   | 27.59197     |
| Scan percentage (%)           | 77.60416           | RL (L=+mm)               | 4.598662     | RL (L=+mm)               | 4.598662     |
| Packages                      | 1                  | FH (H=+mm)               | 0            | FH (H=+mm)               | 0            |
| Act. WFS (pix) / BW (Hz)      | 0.215 / 2025.1     | Respiratory compensation | no           | Respiratory compensation | no           |
| Min. WFS (pix) / Max. BW (Hz) | 0.209 / 2083.3     | NSA                      | 3            | NSA                      | 3            |
| SAR / local torso             | < 2 % / 0.2        |                          |              |                          |              |

|                           |                   |                          |              |              |    |
|---------------------------|-------------------|--------------------------|--------------|--------------|----|
|                           | W/kg              | Manual start             | no           | Manual start | no |
| Whole body / level        | 0.0 W/kg / normal | <b>OFFC/ANG</b>          |              |              |    |
| B1 rms [uT]               | 0.2545432         | Coil selection           | SENSE-Head-8 |              |    |
| PNS / level               | 30 % / normal     | element selection        | SENSE        |              |    |
| Sound Pressure Level (dB) | 17.64667          | connection               | d            |              |    |
| <b>MOTION</b>             |                   | Dual coil                | no           |              |    |
| Coil selection            | SENSE-Head-8      | Fold-over suppression    | yes          |              |    |
| element selection         | SENSE             | Stack Offc. AP (P=+mm)   | 27.59197     |              |    |
| connection                | d                 | RL (L=+mm)               | 4.598662     |              |    |
| Dual coil                 | no                | FH (H=+mm)               | 0            |              |    |
| Fold-over suppression     | yes               | Respiratory compensation | no           |              |    |
| Stack Offc. AP (P=+mm)    | 27.59197          | NSA                      | 3            |              |    |
| RL (L=+mm)                | 4.598662          | Manual start             | no           |              |    |
| FH (H=+mm)                | 0                 |                          |              |              |    |
| Respiratory compensation  | no                |                          |              |              |    |
| NSA                       | 3                 |                          |              |              |    |
| Manual start              | no                |                          |              |              |    |
| <b>DYN/ANG</b>            |                   |                          |              |              |    |
| Coil selection            | SENSE-Head-8      |                          |              |              |    |
| element selection         | SENSE             |                          |              |              |    |
| connection                | d                 |                          |              |              |    |
| Dual coil                 | no                |                          |              |              |    |
| Fold-over suppression     | yes               |                          |              |              |    |
| Stack Offc. AP (P=+mm)    | 27.59197          |                          |              |              |    |
| RL (L=+mm)                | 4.598662          |                          |              |              |    |
| FH (H=+mm)                | 0                 |                          |              |              |    |
| Respiratory compensation  | no                |                          |              |              |    |
| NSA                       | 3                 |                          |              |              |    |
| Manual start              | no                |                          |              |              |    |
| <b>POST/PROC</b>          |                   |                          |              |              |    |
| Coil selection            | SENSE-Head-8      |                          |              |              |    |
| element selection         | SENSE             |                          |              |              |    |
| connection                | d                 |                          |              |              |    |
| Dual coil                 | no                |                          |              |              |    |
| Fold-over suppression     | yes               |                          |              |              |    |
| Stack Offc. AP (P=+mm)    | 27.59197          |                          |              |              |    |
| RL (L=+mm)                | 4.598662          |                          |              |              |    |
| FH (H=+mm)                | 0                 |                          |              |              |    |
| Respiratory compensation  | no                |                          |              |              |    |

|              |    |
|--------------|----|
| NSA          | 3  |
| Manual start | no |

Hospital (1) | DKennedy (1) | Ping-12152010 (12) 36:15.2 | T2W\_TSE 01:54.0

| INFO PAGE                     |                     | GEOMETRY                   |              | CONTRAST             |              |
|-------------------------------|---------------------|----------------------------|--------------|----------------------|--------------|
| Total scan duration           | 01:54.0             | Nucleus                    | H1           | Scan type            | Imaging      |
| Rel. signal level (%)         | 100                 | Coil selection             | SENSE-Head-8 | Scan mode            | MS           |
| Act. TR (ms)                  | 3000                | element selection          | SENSE        | technique            | SE           |
| Act. TE (ms)                  | 80                  | connection                 | d            | Modified SE          | no           |
| ACQ matrix M x P              | 436 x 270           | Dual coil                  | no           | Acquisition mode     | cartesian    |
| ACQ voxel MPS (mm)            | 0.57 / 0.75 / 3.00  | Homogeneity correction     | none         | Fast Imaging mode    | TSE          |
| REC voxel MPS (mm)            | 0.45 / 0.45 / 3.00  | CLEAR                      | yes          | shot mode            | multishot    |
| Scan percentage (%)           | 76.70454            | body tuned                 | no           | TSE factor           | 15           |
| Packages                      | 2                   | FOV AP (mm)                | 250          | startup echoes       | 0            |
| Min. slice gap (mm)           | 3                   | RL (mm)                    | 200.8929     | profile order        | linear       |
| WFS (pix) / BW (Hz)           | 2.143 / 202.7       | FH (mm)                    | 119          | DRIVE                | no           |
| TSE es / shot (ms)            | 10.0 / 150          | Voxel size AP (mm)         | 0.575        | ultrashort           | no           |
| TE k=0 / plateau / equiv (ms) | 80 / 0 / 72         | RL (mm)                    | 0.71875      | strong FID crushing  | no           |
| Min. TR (ms)                  | 2817                | Slice thickness (mm)       | 3            | Echoes               | 1            |
| SAR / head                    | < 94 % / 3.0 W/kg   | Recon voxel size (mm)      | 0.449219     | partial echo         | no           |
| Whole body / level            | < 0.2 W/kg / normal | Fold-over suppression      | no           | TE                   | user defined |
| B1 rms [uT]                   | 2.263229            | Reconstruction matrix      | 560          | (ms)                 | 80           |
| PNS / level                   | 27 % / normal       | SENSE                      | no           | Flip angle (deg)     | 90           |
| Sound Pressure Level (dB)     | 4.175278            | Stacks                     | 1            | Refocusing control   | yes          |
| <b>MOTION</b>                 |                     | type                       | parallel     | angle (deg)          | 120          |
| Cardiac synchronization       | no                  | slices                     | 30           | echo enhancement     | no           |
| Respiratory compensation      | no                  | slice gap                  | user defined | bright fat reduction | no           |
| Navigator respiratory comp    | no                  | gap (mm)                   | 1            | TR                   | user defined |
| Flow compensation             | no                  | slice orientation          | transverse   | (ms)                 | 3000         |
| Temporal slice spacing        | default             | fold-over direction        | RL           | Halfscan             | no           |
| Motion smoothing              | no                  | fat shift direction        | P            | Water-fat shift      | maximum      |
| NSA                           | 1                   | Minimum number of packages | 1            | Shim                 | default      |
| <b>DYN/ANG</b>                |                     | Slice scan order           | default      | Fat suppression      | no           |
| Manual start                  | no                  | PlanAlign                  | no           | Water suppression    | no           |
| Dynamic study                 | no                  | REST slabs                 | 1            | BB pulse             | no           |
| Arterial Spin labeling        | no                  | type                       | parallel     | MTC                  | no           |
| <b>POST/PROC</b>              |                     | thickness (mm)             | 60           | T2prep               | no           |
| Preparation phases            | auto                | position                   | feet         | Research prepulse    | no           |
| Manual Offset Freq.           | no                  | gap                        | user defined | Zoom imaging         | no           |
| B0 field map/Dixon            | no                  | (mm)                       | 0            | Diffusion mode       | no           |
| B1 field map                  | no                  | power                      | 1            | SAR mode             | high         |
|                               |                     | Interactive positioning    | no           | B1 mode              | default      |
|                               |                     |                            |              | PNS mode             | low          |
|                               |                     |                            |              | Gradient mode        | default      |
|                               |                     |                            |              | SofTone mode         | user defined |
|                               |                     |                            |              | factor               | 4            |

|                        |                   |
|------------------------|-------------------|
| MIP/MPR                | no                |
| Images                 | M, no, no,<br>no  |
| Autoview image         | M                 |
| Calculated images      | no, no, no,<br>no |
| Reference tissue       | Grey matter       |
| Preset window contrast | soft              |
| Reconstruction mode    | real time         |
| Save raw data          | no                |
| Hardcopy protocol      | no                |
| Ringing filtering      | rectangular       |
| Geometry correction    | default           |

| OFFC/ANG               |           |
|------------------------|-----------|
| Stacks                 | 1         |
| Stack Offc. AP (P=+mm) | -17.03298 |
| RL (L=+mm)             | 1.175326  |
| FH (H=+mm)             | 26.55229  |
| Ang. AP (deg)          | 0         |
| RL (deg)               | 0         |
| FH (deg)               | 0         |

Hospital (1) | DKennedy (1) | Ping-12152010 (12) 36:15.2 | MPRAGE 09:19.7





| INFO PAGE                     |                    |
|-------------------------------|--------------------|
| Total scan duration           | 09:19.7            |
| Rel. signal level (%)         | 100                |
| Act. TR/TE (ms)               | 6.8 / 3.1          |
| ACQ matrix M x P              | 256 x 240          |
| ACQ voxel MPS (mm)            | 1.00 / 1.00 / 1.20 |
| REC voxel MPS (mm)            | 1.00 / 1.00 / 1.20 |
| Scan percentage (%)           | 100                |
| TFE shots                     | 187                |
| TFE dur. shot / acq (ms)      | 1665.9 / 1624.3    |
| Min. TI delay                 | 845.3993           |
| Act. WFS (pix) / BW (Hz)      | 1.802 / 241.1      |
| Min. WFS (pix) / Max. BW (Hz) | 0.499 / 870.7      |
| SAR / head                    | < 7 % / 0.2 W/kg   |
| Whole body / level            | 0.0 W/kg / normal  |
| B1 rms [uT]                   | 0.6215538          |
| PNS / level                   | 60 % / normal      |
| Sound Pressure Level (dB)     | 13.64766           |

| MOTION                     |    |
|----------------------------|----|
| Cardiac synchronization    | no |
| Respiratory compensation   | no |
| Navigator respiratory comp | no |
| Flow compensation          | no |
| fMRI echo stabilisation    | no |

| GEOMETRY              |              |
|-----------------------|--------------|
| Nucleus               | H1           |
| Coil selection        | SENSE-Head-8 |
| element selection     | SENSE        |
| connection            | d            |
| Dual coil             | no           |
| CLEAR                 | yes          |
| body tuned            | no           |
| FOV FH (mm)           | 256          |
| AP (mm)               | 240          |
| RL (mm)               | 204          |
| Voxel size FH (mm)    | 1            |
| AP (mm)               | 1            |
| RL (mm)               | 1.2          |
| Recon voxel size (mm) | 1            |
| Fold-over suppression | no           |
| Slice oversampling    | user defined |
| oversample factor     | 1.1          |
| Reconstruction matrix | 256          |
| SENSE                 | yes          |
| P reduction (AP)      | 1            |
| P os factor           | 1            |
| S reduction (RL)      | 1            |
| Overcontiguous slices | no           |
| Stacks                | 1            |
| slices                | 170          |
| slice orientation     | sagittal     |
| fold-over direction   | AP           |

| CONTRAST                 |              |
|--------------------------|--------------|
| Scan type                | Imaging      |
| Scan mode                | 3D           |
| technique                | FFE          |
| Contrast enhancement     | T1           |
| Acquisition mode         | cartesian    |
| Fast Imaging mode        | TFE          |
| shot mode                | multishot    |
| TFE factor               | 240          |
| 3D free factor           | no           |
| startup echoes           | default      |
| shot interval (ms)       | user defined |
| profile order            | linear       |
| turbo direction          | Y            |
| Echoes                   | 1            |
| partial echo             | no           |
| shifted echo             | no           |
| TE                       | shortest     |
| Flip angle (deg)         | 8            |
| TR                       | shortest     |
| Halfscan                 | no           |
| Water-fat shift (pixels) | user defined |
|                          | 1.8          |
| Shim                     | auto         |
| Fat suppression          | no           |
| Water suppression        | no           |
| TFE prepulse             | invert       |
| slice selection          | no           |
| delay                    | shortest     |
| PSIR                     | no           |
| MTC                      | no           |
| T2prep                   | no           |
| Research prepulse        | no           |

|                            |                |                         |           |                |         |
|----------------------------|----------------|-------------------------|-----------|----------------|---------|
| Motion smoothing           | no             | fat shift direction     | F         | Diffusion mode | no      |
| NSA                        | 1              | Chunks                  | 1         | SAR mode       | high    |
| <b>DYN/ANG</b>             |                | PlanAlign               | no        | B1 mode        | default |
| Angio / Contrast enh.      | no             | REST slabs              | 0         | PNS mode       | low     |
| Quantitative flow          | no             | Interactive positioning | no        | Gradient mode  | maximum |
| CENTRA                     | no             | <b>OFFC/ANG</b>         |           | SofTone mode   | no      |
| Manual start               | no             | Stacks                  | 1         |                |         |
| Dynamic study              | no             | Stack Offc. AP (P=+mm)  | -17.03298 |                |         |
| Arterial Spin labeling     | no             | RL (L=+mm)              | 0.7572657 |                |         |
| <b>POST/PROC</b>           |                | FH (H=+mm)              | -3.129986 |                |         |
| Preparation phases         | auto           | Ang. AP (deg)           | 0         |                |         |
| Manual Offset Freq.        | no             | RL (deg)                | 0         |                |         |
| B0 field map/Dixon         | no             | FH (deg)                | 0         |                |         |
| B1 field map               | no             |                         |           |                |         |
| MIP/MPR                    | no             |                         |           |                |         |
| Images                     | M, no, no, no  |                         |           |                |         |
| Autoview image             | M              |                         |           |                |         |
| Calculated images          | no, no, no, no |                         |           |                |         |
| Reference tissue           | Grey matter    |                         |           |                |         |
| Preset window contrast     | soft           |                         |           |                |         |
| Reconstruction mode        | real time      |                         |           |                |         |
| Save raw data              | no             |                         |           |                |         |
| Hardcopy protocol          | no             |                         |           |                |         |
| Ringing filtering          | rectangular    |                         |           |                |         |
| Geometry correction        | default        |                         |           |                |         |
| Elliptical k-space shutter | default        |                         |           |                |         |

 Hospital (1) | 
  DKennedy (1) | 
  Ping-12152010 (12) 36:15.2 | 
  B0\_AD 00:36.0

| INFO PAGE                       |                    | GEOMETRY               |              | CONTRAST          |              |
|---------------------------------|--------------------|------------------------|--------------|-------------------|--------------|
| Total scan duration             | 00:36.0            | Nucleus                | H1           | Scan type         | Imaging      |
| Rel. signal level (%)           | 100                | Coil selection         | SENSE-Head-8 | Scan mode         | MS           |
| Act. TR (ms)                    | 9000               | element selection      | SENSE        | technique         | SE           |
| Act. TE (ms)                    | 91                 | connection             | d            | Modified SE       | no           |
| ACQ matrix M x P                | 96 x 95            | Dual coil              | no           | Acquisition mode  | cartesian    |
| ACQ voxel MPS (mm)              | 2.50 / 2.53 / 2.50 | Homogeneity correction | none         | Fast Imaging mode | EPI          |
| REC voxel MPS (mm)              | 2.50 / 2.50 / 2.50 | CLEAR                  | yes          | shot mode         | single-shot  |
| Scan percentage (%)             | 98.95834           | body tuned             | no           | Echoes            | 1            |
| Packages                        | 1                  | FOV RL (mm)            | 240          | partial echo      | no           |
| Min. slice gap (mm)             | 0                  | AP (mm)                | 240          | TE                | user defined |
| Diffusion gradient timing DELTA | 44.4 / 8.0         | FH (mm)                | 150          | (ms)              | 91           |
| EPI factor                      | 95                 | Voxel size RL (mm)     | 2.5          | Flip angle (deg)  | 90           |
| WFS (pix) / BW (Hz)             | 26.108 / 16.6      | AP (mm)                | 2.5          | TR                | user defined |
| BW in EPI freq. dir. (Hz)       | 3327.2             | Slice thickness (mm)   | 2.5          | (ms)              | 9000         |
| Min. TR (ms)                    | 8155               | Recon voxel size (mm)  | 2.5          | Halfscan          | no           |
|                                 |                    |                        |              | Water-fat shift   | minimum      |
|                                 |                    |                        |              | Shim              | auto         |
|                                 |                    |                        |              | Fat suppression   | SPIR         |

|                               |                     |                            |              |                   |              |
|-------------------------------|---------------------|----------------------------|--------------|-------------------|--------------|
| SPIR offset act./default (Hz) | 220 [135]           | Fold-over suppression      | no           | strength          | strong       |
| SAR / head                    | < 25 % / 0.8 W/kg   | Reconstruction matrix      | 96           | frequency         | user defined |
| Whole body / level            | < 0.1 W/kg / normal | SENSE                      | no           | offset (Hz)       | 220          |
| B1 rms [uT]                   | 1.159913            | Stacks                     | 1            | Water suppression | no           |
| PNS / level                   | 79 % / normal       | type                       | parallel     | BB pulse          | no           |
| Sound Pressure Level (dB)     | 19.20226            | slices                     | 60           | MTC               | no           |
| <b>MOTION</b>                 |                     | slice gap                  | user defined | Research prepulse | no           |
| Cardiac synchronization       | no                  | gap (mm)                   | 0            | Diffusion mode    | DWI          |
| Respiratory compensation      | no                  | slice orientation          | transverse   | sequence          | SE           |
| Navigator respiratory comp    | no                  | fold-over direction        | AP           | gradient duration | maximum      |
| Flow compensation             | no                  | fat shift direction        | A            | gradient overplus | yes          |
| Temporal slice spacing        | default             | Minimum number of packages | 1            | nr of b-factors   | 1            |
| NSA                           | 1                   | Slice scan order           | default      | max b-factor      | 1            |
| <b>DYN/ANG</b>                |                     | PlanAlign                  | no           | average high b    | no           |
| Manual start                  | no                  | REST slabs                 | 0            | SAR mode          | moderate     |
| Dynamic study                 | no                  | Interactive positioning    | no           | B1 mode           | user defined |
| Arterial Spin labeling        | no                  | <b>OFFC/ANG</b>            |              | amplitude (uT)    | 13.5         |
| <b>POST/PROC</b>              |                     | Stacks                     | 1            | PNS mode          | moderate     |
| Preparation phases            | auto                | Stack Offc. AP (P=+mm)     | -18.22416    | Gradient mode     | enhanced     |
| Manual Offset Freq.           | no                  | RL (L=+mm)                 | 0.7572657    | SofTone mode      | no           |
| B0 field map/Dixon            | no                  | FH (H=+mm)                 | 18.90694     |                   |              |
| B1 field map                  | no                  | Ang. AP (deg)              | 0            |                   |              |
| MIP/MPR                       | no                  | RL (deg)                   | 0            |                   |              |
| Images                        | M, no, no, no       | FH (deg)                   | 0            |                   |              |
| Autoview image                | M                   |                            |              |                   |              |
| Calculated images             | no, no, no, no      |                            |              |                   |              |
| Reference tissue              | White matter        |                            |              |                   |              |
| Preset window contrast        | soft                |                            |              |                   |              |
| Reconstruction mode           | immediate           |                            |              |                   |              |
| Save raw data                 | no                  |                            |              |                   |              |
| Hardcopy protocol             | no                  |                            |              |                   |              |
| Ringling filtering            | rectangular         |                            |              |                   |              |
| Geometry correction           | default             |                            |              |                   |              |

Hospital (1) | DKennedy (1) | Ping-12152010 (12) 36:15.2 | B0\_PD 00:36.0

| INFO PAGE             |         | GEOMETRY          |              | CONTRAST    |         |
|-----------------------|---------|-------------------|--------------|-------------|---------|
| Total scan duration   | 00:36.0 | Nucleus           | H1           | Scan type   | Imaging |
| Rel. signal level (%) | 100     | Coil selection    | SENSE-Head-8 | Scan mode   | MS      |
| Act. TR (ms)          | 9000    | element selection | SENSE        | technique   | SE      |
| Act. TE (ms)          | 91      |                   |              | Modified SE | no      |

|                                 |                     |                            |              |                   |              |
|---------------------------------|---------------------|----------------------------|--------------|-------------------|--------------|
| ACQ matrix M x P                | 96 x 95             | connection                 | d            | Acquisition mode  | cartesian    |
| ACQ voxel MPS (mm)              | 2.50 / 2.53 / 2.50  | Dual coil                  | no           | Fast Imaging mode | EPI          |
| REC voxel MPS (mm)              | 2.50 / 2.50 / 2.50  | Homogeneity correction     | none         | shot mode         | single-shot  |
| Scan percentage (%)             | 98.95834            | CLEAR                      | yes          | Echoes            | 1            |
| Packages                        | 1                   | body tuned                 | no           | partial echo      | no           |
| Min. slice gap (mm)             | 0                   | FOV RL (mm)                | 240          | TE                | user defined |
| Diffusion gradient timing DELTA | 44.4 / 8.0          | AP (mm)                    | 240          | (ms)              | 91           |
| EPI factor                      | 95                  | FH (mm)                    | 150          | Flip angle (deg)  | 90           |
| WFS (pix) / BW (Hz)             | 26.108 / 16.6       | Voxel size RL (mm)         | 2.5          | TR                | user defined |
| BW in EPI freq. dir. (Hz)       | 3327.2              | AP (mm)                    | 2.5          | (ms)              | 9000         |
| Min. TR (ms)                    | 8155                | Slice thickness (mm)       | 2.5          | Halfscan          | no           |
| SPIR offset act./default (Hz)   | 220 [135]           | Recon voxel size (mm)      | 2.5          | Water-fat shift   | minimum      |
| SAR / head                      | < 25 % / 0.8 W/kg   | Fold-over suppression      | no           | Shim              | auto         |
| Whole body / level              | < 0.1 W/kg / normal | Reconstruction matrix      | 96           | Fat suppression   | SPIR         |
| B1 rms [uT]                     | 1.159913            | SENSE                      | no           | strength          | strong       |
| PNS / level                     | 79 % / normal       | Stacks                     | 1            | frequency offset  | user defined |
| Sound Pressure Level (dB)       | 19.13324            | type                       | parallel     | offset (Hz)       | 220          |
| <b>MOTION</b>                   |                     | slices                     | 60           | Water suppression | no           |
| Cardiac synchronization         | no                  | slice gap                  | user defined | BB pulse          | no           |
| Respiratory compensation        | no                  | gap (mm)                   | 0            | MTC               | no           |
| Navigator respiratory comp      | no                  | slice orientation          | transverse   | Research prepulse | no           |
| Flow compensation               | no                  | fold-over direction        | AP           | Diffusion mode    | DWI          |
| Temporal slice spacing          | default             | fat shift direction        | P            | sequence          | SE           |
| NSA                             | 1                   | Minimum number of packages | 1            | gradient duration | maximum      |
| <b>DYN/ANG</b>                  |                     | Slice scan order           | default      | gradient overplus | yes          |
| Manual start                    | no                  | PlanAlign                  | no           | nr of b-factors   | 1            |
| Dynamic study                   | no                  | REST slabs                 | 0            | max b-factor      | 1            |
| Arterial Spin labeling          | no                  | Interactive positioning    | no           | average high b    | no           |
| <b>POST/PROC</b>                |                     | <b>OFFC/ANG</b>            |              | SAR mode          | moderate     |
| Preparation phases              | auto                | Stacks                     | 1            | B1 mode           | user defined |
| Manual Offset Freq.             | no                  | Stack Offc. AP (P=+mm)     | -18.22416    | amplitude (uT)    | 13.5         |
| B0 field map/Dixon              | no                  | RL (L=+mm)                 | 0.7572657    | PNS mode          | moderate     |
| B1 field map                    | no                  | FH (H=+mm)                 | 18.90694     | Gradient mode     | enhanced     |
| MIP/MPR                         | no                  | Ang. AP (deg)              | 0            | SofTone mode      | no           |
| Images                          | M, no, no, no       | RL (deg)                   | 0            |                   |              |
| Autoview image                  | M                   | FH (deg)                   | 0            |                   |              |
| Calculated images               | no, no, no, no      |                            |              |                   |              |
| Reference tissue                | White matter        |                            |              |                   |              |
| Preset window contrast          | soft                |                            |              |                   |              |



|                     |             |
|---------------------|-------------|
| Reconstruction mode | immediate   |
| Save raw data       | no          |
| Hardcopy protocol   | no          |
| Ringling filtering  | rectangular |
| Geometry correction | default     |

Hospital (1) | DKennedy (1) | Ping-12152010 (12) 36:15.2 | DiffHR2.5NoSense 05:15.0





| INFO PAGE                       |                     | GEOMETRY                   |              | CONTRAST               |              |
|---------------------------------|---------------------|----------------------------|--------------|------------------------|--------------|
| Total scan duration             | 05:15.0             | Nucleus                    | H1           | Scan type              | Imaging      |
| Rel. signal level (%)           | 100                 | Coil selection             | SENSE-Head-8 | Scan mode              | MS           |
| Act. TR (ms)                    | 9000                | element selection          | SENSE        | technique              | SE           |
| Act. TE (ms)                    | 91                  | connection                 | d            | Modified SE            | no           |
| ACQ matrix M x P                | 96 x 95             | Dual coil                  | no           | Acquisition mode       | cartesian    |
| ACQ voxel MPS (mm)              | 2.50 / 2.53 / 2.50  | Homogeneity correction     | none         | Fast Imaging mode      | EPI          |
| REC voxel MPS (mm)              | 2.50 / 2.50 / 2.50  | CLEAR                      | yes          | shot mode              | single-shot  |
| Scan percentage (%)             | 98.95834            | body tuned                 | no           | Echoes                 | 1            |
| Packages                        | 1                   | FOV RL (mm)                | 240          | partial echo           | no           |
| Min. slice gap (mm)             | 0                   | AP (mm)                    | 240          | TE                     | shortest     |
| Diffusion gradient timing DELTA | 45.0 / 9.5          | FH (mm)                    | 150          | Flip angle (deg)       | 90           |
| EPI factor                      | 95                  | Voxel size RL (mm)         | 2.5          | TR (ms)                | user defined |
| WFS (pix) / BW (Hz)             | 26.108 / 16.6       | AP (mm)                    | 2.5          | Halfscan               | no           |
| BW in EPI freq. dir. (Hz)       | 3327.2              | Slice thickness (mm)       | 2.5          | Water-fat shift        | minimum      |
| Min. TR (ms)                    | 8177                | Recon voxel size (mm)      | 2.5          | Shim                   | auto         |
| SPIR offset act./default (Hz)   | 220 [135]           | Fold-over suppression      | no           | Fat suppression        | SPIR         |
| SAR / head                      | < 24 % / 0.8 W/kg   | Reconstruction matrix      | 96           | strength               | strong       |
| Whole body / level              | < 0.1 W/kg / normal | SENSE                      | no           | frequency offset       | user defined |
| B1 rms [uT]                     | 1.152009            | Stacks                     | 1            | offset (Hz)            | 220          |
| PNS / level                     | 79 % / normal       | type                       | parallel     | Water suppression      | no           |
| Sound Pressure Level (dB)       | 19.21506            | slices                     | 60           | BB pulse               | no           |
| <b>MOTION</b>                   |                     | slice gap                  | user defined | MTC                    | no           |
| Cardiac synchronization         | no                  | gap (mm)                   | 0            | Research prepulse      | no           |
| Respiratory compensation        | no                  | slice orientation          | transverse   | Diffusion mode         | DTI          |
| Navigator respiratory comp      | no                  | fold-over direction        | AP           | sequence               | SE           |
| Flow compensation               | no                  | fat shift direction        | P            | gradient duration      | maximum      |
| Temporal slice spacing          | default             | Minimum number of packages | 1            | gradient overplus      | no           |
| NSA                             | 1                   | Slice scan order           | default      | directional resolution | high         |
| <b>DYN/ANG</b>                  |                     | PlanAlign                  | no           | nr of b-factors        | 2            |
| Manual start                    | no                  | REST slabs                 | 0            | b-factor order         | ascending    |
| Dynamic study                   | no                  | Interactive positioning    | no           | max b-factor           | 1000         |
| dyn stabilization               | no                  | <b>OFFC/ANG</b>            |              | average high b         | no           |
|                                 |                     | Stacks                     | 1            | SAR mode               | moderate     |
|                                 |                     | Stack Offc. AP (P=+mm)     | -18.22416    | B1 mode                | user defined |
|                                 |                     |                            |              | amplitude (uT)         | 13.5         |
|                                 |                     |                            |              | PNS mode               | moderate     |
|                                 |                     |                            |              | Gradient mode          | enhanced     |
|                                 |                     |                            |              | SofTone mode           | no           |

|                        |                   |               |           |
|------------------------|-------------------|---------------|-----------|
| Arterial Spin labeling | no                | (P=+mm)       |           |
| <b>POST/PROC</b>       |                   | RL (L=+mm)    | 0.7572657 |
| Preparation phases     | auto              | FH (H=+mm)    | 18.90694  |
| Manual Offset Freq.    | no                | Ang. AP (deg) | 0         |
| B0 field map/Dixon     | no                | RL (deg)      | 0         |
| B1 field map           | no                | FH (deg)      | 0         |
| MIP/MPR                | no                |               |           |
| Images                 | M, no, no,<br>no  |               |           |
| Autoview image         | M                 |               |           |
| Calculated images      | no, no, no,<br>no |               |           |
| Reference tissue       | White matter      |               |           |
| Preset window contrast | soft              |               |           |
| Reconstruction mode    | immediate         |               |           |
| Save raw data          | no                |               |           |
| Hardcopy protocol      | no                |               |           |
| Ringing filtering      | rectangular       |               |           |
| Geometry correction    | default           |               |           |

Hospital (1) | DKennedy (1) | Ping-12152010 (12) 36:15.2 | DiffHR2.5NoSense 05:15.0

| INFO PAGE                       |                     | GEOMETRY               |              | CONTRAST          |              |
|---------------------------------|---------------------|------------------------|--------------|-------------------|--------------|
| Total scan duration             | 05:15.0             | Nucleus                | H1           | Scan type         | Imaging      |
| Rel. signal level (%)           | 100                 | Coil selection         | SENSE-Head-8 | Scan mode         | MS           |
| Act. TR (ms)                    | 9000                | element selection      | SENSE        | technique         | SE           |
| Act. TE (ms)                    | 91                  | connection             | d            | Modified SE       | no           |
| ACQ matrix M x P                | 96 x 95             | Dual coil              | no           | Acquisition mode  | cartesian    |
| ACQ voxel MPS (mm)              | 2.50 / 2.53 / 2.50  | Homogeneity correction | none         | Fast Imaging mode | EPI          |
| REC voxel MPS (mm)              | 2.50 / 2.50 / 2.50  | CLEAR                  | yes          | shot mode         | single-shot  |
| Scan percentage (%)             | 98.95834            | body tuned             | no           | Echoes            | 1            |
| Packages                        | 1                   | FOV RL (mm)            | 240          | partial echo      | no           |
| Min. slice gap (mm)             | 0                   | AP (mm)                | 240          | TE                | shortest     |
| Diffusion gradient timing DELTA | 45.0 / 9.5          | FH (mm)                | 150          | Flip angle (deg)  | 90           |
| EPI factor                      | 95                  | Voxel size RL (mm)     | 2.5          | TR                | user defined |
| WFS (pix) / BW (Hz)             | 26.108 / 16.6       | AP (mm)                | 2.5          | (ms)              | 9000         |
| BW in EPI freq. dir. (Hz)       | 3327.2              | Slice thickness (mm)   | 2.5          | Halfscan          | no           |
| Min. TR (ms)                    | 8177                | Recon voxel size (mm)  | 2.5          | Water-fat shift   | minimum      |
| SPIR offset act./default (Hz)   | 220 [135]           | Fold-over suppression  | no           | Shim              | auto         |
| SAR / head                      | < 24 % / 0.8 W/kg   | Reconstruction matrix  | 96           | Fat suppression   | SPIR         |
| Whole body / level              | < 0.1 W/kg / normal | SENSE                  | no           | strength          | strong       |
| B1 rms [uT]                     | 1.152009            | Stacks                 | 1            | frequency offset  | user defined |
| PNS / level                     | 79 % / normal       | type                   | parallel     | offset (Hz)       | 220          |
| Sound Pressure Level (dB)       | 19.21506            | slices                 | 60           | Water suppression | no           |
|                                 |                     | slice gap              | user defined | BB pulse          | no           |
|                                 |                     | gap (mm)               | 0            | MTC               | no           |
|                                 |                     |                        |              | Research prepulse | no           |
|                                 |                     |                        |              | Diffusion mode    | DTI          |
|                                 |                     |                        |              | sequence          | SE           |
|                                 |                     |                        |              | gradient          | maximum      |
|                                 |                     |                        |              | duration          |              |

| MOTION                     |                | slice orientation          | transverse | duration               |              |
|----------------------------|----------------|----------------------------|------------|------------------------|--------------|
| Cardiac synchronization    | no             | fold-over direction        | AP         | gradient overplus      | no           |
| Respiratory compensation   | no             | fat shift direction        | P          | directional resolution | high         |
| Navigator respiratory comp | no             | Minimum number of packages | 1          | nr of b-factors        | 2            |
| Flow compensation          | no             | Slice scan order           | default    | b-factor order         | ascending    |
| Temporal slice spacing     | default        | PlanAlign                  | no         | max b-factor           | 1000         |
| NSA                        | 1              | REST slabs                 | 0          | average high b         | no           |
| DYN/ANG                    |                | Interactive positioning    | no         | SAR mode               | moderate     |
| Manual start               | no             | OFFC/ANG                   |            | B1 mode                | user defined |
| Dynamic study              | no             | Stacks                     | 1          | amplitude (uT)         | 13.5         |
| dyn stabilization          | no             | Stack Offc. AP (P=+mm)     | -18.22416  | PNS mode               | moderate     |
| Arterial Spin labeling     | no             | RL (L=+mm)                 | 0.7572657  | Gradient mode          | enhanced     |
| POST/PROC                  |                | FH (H=+mm)                 | 18.90694   | SofTone mode           | no           |
| Preparation phases         | auto           | Ang. AP (deg)              | 0          |                        |              |
| Manual Offset Freq.        | no             | RL (deg)                   | 0          |                        |              |
| B0 field map/Dixon         | no             | FH (deg)                   | 0          |                        |              |
| B1 field map               | no             |                            |            |                        |              |
| MIP/MPR                    | no             |                            |            |                        |              |
| Images                     | M, no, no, no  |                            |            |                        |              |
| Autoview image             | M              |                            |            |                        |              |
| Calculated images          | no, no, no, no |                            |            |                        |              |
| Reference tissue           | White matter   |                            |            |                        |              |
| Preset window contrast     | soft           |                            |            |                        |              |
| Reconstruction mode        | immediate      |                            |            |                        |              |
| Save raw data              | no             |                            |            |                        |              |
| Hardcopy protocol          | no             |                            |            |                        |              |
| Ringling filtering         | rectangular    |                            |            |                        |              |
| Geometry correction        | default        |                            |            |                        |              |

 Hospital (1) | 
  DKennedy (1) | 
  Ping-12152010 (12) 36:15.2 | 
  BO\_AF 00:20.0

| INFO PAGE             |                    | GEOMETRY             |              | CONTRAST          |              |
|-----------------------|--------------------|----------------------|--------------|-------------------|--------------|
| Total scan duration   | 00:20.0            | Nucleus              | H1           | Scan type         | Imaging      |
| Rel. signal level (%) | 100                | Coil selection       | SENSE-Head-8 | Scan mode         | MS           |
| Act. TR (ms)          | 10000              | element selection    | SENSE        | technique         | SE           |
| Act. TE (ms)          | 100                | connection           | d            | Modified SE       | no           |
| ACQ matrix M x P      | 84 x 81            | Dual coil            | no           | Acquisition mode  | cartesian    |
| ACQ voxel MPS (mm)    | 3.05 / 3.15 / 3.00 | CLEAR                | no           | Fast Imaging mode | EPI          |
| REC voxel MPS (mm)    | 2.67 / 2.67 / 3.00 | FOV RL (mm)          | 256          | shot mode         | single-shot  |
| Scan percentage (%)   | 96.66666           | AP (mm)              | 256          | Echoes            | 1            |
| Packages              | 1                  | FH (mm)              | 150          | partial echo      | no           |
| Min. slice gap (mm)   | 0                  | Voxel size RL (mm)   | 3            | TE (ms)           | user defined |
| EPI factor            | 29                 | AP (mm)              | 3            | Flip angle (deg)  | 75           |
| WFS (pix) / BW (Hz)   | 7.638 / 56.9       | Slice thickness (mm) | 3            | TR                | user defined |

|                               |                   |                            |              |                          |              |
|-------------------------------|-------------------|----------------------------|--------------|--------------------------|--------------|
| BW in EPI freq. dir. (Hz)     | 2720.0            | Recon voxel size (mm)      | 3            | (ms)                     | 10000        |
| Min. TR (ms)                  | 6173              | Fold-over suppression      | no           | Halfscan                 | no           |
| SPIR offset act./default (Hz) | 220 [135]         | Reconstruction matrix      | 96           | Water-fat shift          | minimum      |
| SAR / head                    | < 18 % / 0.6 W/kg | SENSE                      | yes          | Shim                     | auto         |
| Whole body / level            | 0.0 W/kg / normal | P reduction (AP)           | 3            | Fat suppression strength | SPIR strong  |
| B1 rms [uT]                   | 0.9871491         | P os factor                | 1            | frequency offset         | user defined |
| PNS / level                   | 64 % / normal     | Stacks                     | 1            | offset (Hz)              | 220          |
| Sound Pressure Level (dB)     | 13.24381          | type                       | parallel     | Water suppression        | no           |
| <b>MOTION</b>                 |                   | slices                     | 50           | BB pulse                 | no           |
| Cardiac synchronization       | no                | slice gap                  | user defined | MTC                      | no           |
| Respiratory compensation      | no                | gap (mm)                   | 0            | Research prepulse        | no           |
| Navigator respiratory comp    | no                | slice orientation          | transverse   | Diffusion mode           | no           |
| Flow compensation             | no                | fold-over direction        | AP           | SAR mode                 | high         |
| Temporal slice spacing        | equidistant       | fat shift direction        | A            | B1 mode                  | default      |
| NSA                           | 1                 | Minimum number of packages | 1            | PNS mode                 | high         |
| <b>DYN/ANG</b>                |                   | Slice scan order           | ascend       | Gradient mode            | default      |
| Manual start                  | no                | PlanAlign                  | no           | SoFTone mode             | no           |
| Dynamic study                 | no                | REST slabs                 | 0            |                          |              |
| Arterial Spin labeling        | no                | Interactive positioning    | no           |                          |              |
| <b>POST/PROC</b>              |                   | <b>OFFC/ANG</b>            |              |                          |              |
| Preparation phases            | auto              | Stacks                     | 1            |                          |              |
| Manual Offset Freq.           | no                | Stack Offc. AP (P=+mm)     | -18.22416    |                          |              |
| B0 field map/Dixon            | no                | RL (L=+mm)                 | 0.7572657    |                          |              |
| B1 field map                  | no                | FH (H=+mm)                 | 18.90694     |                          |              |
| MIP/MPR                       | no                | Ang. AP (deg)              | 0            |                          |              |
| Images                        | M, no, no, no     | RL (deg)                   | 0            |                          |              |
| Autoview image                | M                 | FH (deg)                   | 0            |                          |              |
| Calculated images             | no, no, no, no    |                            |              |                          |              |
| Reference tissue              | Grey matter       |                            |              |                          |              |
| Preset window contrast        | soft              |                            |              |                          |              |
| Reconstruction mode           | real time         |                            |              |                          |              |
| Save raw data                 | no                |                            |              |                          |              |
| Hardcopy protocol             | no                |                            |              |                          |              |
| Ringing filtering             | default           |                            |              |                          |              |
| Geometry correction           | default           |                            |              |                          |              |

| INFO PAGE             |         | GEOMETRY       |             | CONTRAST  |         |
|-----------------------|---------|----------------|-------------|-----------|---------|
| Total scan duration   | 00:20.0 | Nucleus        | H1          | Scan type | Imaging |
| Rel. signal level (%) | 100     | Coil selection | SENSE-Head- | Scan mode | MS      |



|                               |                    |
|-------------------------------|--------------------|
| Act. TR (ms)                  | 10000              |
| Act. TE (ms)                  | 100                |
| ACQ matrix M x P              | 84 x 81            |
| ACQ voxel MPS (mm)            | 3.05 / 3.15 / 3.00 |
| REC voxel MPS (mm)            | 2.67 / 2.67 / 3.00 |
| Scan percentage (%)           | 96.66666           |
| Packages                      | 1                  |
| Min. slice gap (mm)           | 0                  |
| EPI factor                    | 29                 |
| WFS (pix) / BW (Hz)           | 7.638 / 56.9       |
| BW in EPI freq. dir. (Hz)     | 2720.0             |
| Min. TR (ms)                  | 6173               |
| SPIR offset act./default (Hz) | 220 [135]          |
| SAR / head                    | < 18 % / 0.6 W/kg  |
| Whole body / level            | 0.0 W/kg / normal  |
| B1 rms [uT]                   | 0.9871491          |
| PNS / level                   | 64 % / normal      |
| Sound Pressure Level (dB)     | 13.27509           |
| <b>MOTION</b>                 |                    |
| Cardiac synchronization       | no                 |
| Respiratory compensation      | no                 |
| Navigator respiratory comp    | no                 |
| Flow compensation             | no                 |
| Temporal slice spacing        | equidistant        |
| NSA                           | 1                  |
| <b>DYN/ANG</b>                |                    |
| Manual start                  | no                 |
| Dynamic study                 | no                 |
| Arterial Spin labeling        | no                 |
| <b>POST/PROC</b>              |                    |
| Preparation phases            | auto               |
| Manual Offset Freq.           | no                 |
| B0 field map/Dixon            | no                 |
| B1 field map                  | no                 |
| MIP/MPR                       | no                 |
| Images                        | M, no, no, no      |
| Autoview image                | M                  |
| Calculated images             | no, no, no, no     |
| Reference tissue              | Grey matter        |
| Preset window                 | soft               |
|                               | 8                  |
| element selection             | SENSE              |
| connection                    | d                  |
| Dual coil                     | no                 |
| CLEAR                         | no                 |
| FOV RL (mm)                   | 256                |
| AP (mm)                       | 256                |
| FH (mm)                       | 150                |
| Voxel size RL (mm)            | 3                  |
| AP (mm)                       | 3                  |
| Slice thickness (mm)          | 3                  |
| Recon voxel size (mm)         | 3                  |
| Fold-over suppression         | no                 |
| Reconstruction matrix         | 96                 |
| SENSE                         | yes                |
| P reduction (AP)              | 3                  |
| P os factor                   | 1                  |
| Stacks                        | 1                  |
| type                          | parallel           |
| slices                        | 50                 |
| slice gap                     | user defined       |
| gap (mm)                      | 0                  |
| slice orientation             | transverse         |
| fold-over direction           | AP                 |
| fat shift direction           | P                  |
| Minimum number of packages    | 1                  |
| Slice scan order              | ascend             |
| PlanAlign                     | no                 |
| REST slabs                    | 0                  |
| Interactive positioning       | no                 |
| <b>OFFC/ANG</b>               |                    |
| Stacks                        | 1                  |
| Stack Offc. AP (P=+mm)        | -18.22416          |
| RL (L=+mm)                    | 0.7572657          |
| FH (H=+mm)                    | 18.90694           |
| Ang. AP (deg)                 | 0                  |
| RL (deg)                      | 0                  |
| FH (deg)                      | 0                  |
| technique                     | SE                 |
| Modified SE                   | no                 |
| Acquisition mode              | cartesian          |
| Fast Imaging mode             | EPI                |
| shot mode                     | single-shot        |
| Echoes                        | 1                  |
| partial echo                  | no                 |
| TE (ms)                       | user defined       |
| Flip angle (deg)              | 100                |
| TR (ms)                       | 75                 |
| TR (ms)                       | user defined       |
|                               | 10000              |
| Halfscan                      | no                 |
| Water-fat shift               | minimum            |
| Shim                          | auto               |
| Fat suppression               | SPIR               |
| strength                      | strong             |
| frequency offset              | user defined       |
| offset (Hz)                   | 220                |
| Water suppression             | no                 |
| BB pulse                      | no                 |
| MTC                           | no                 |
| Research prepulse             | no                 |
| Diffusion mode                | no                 |
| SAR mode                      | high               |
| B1 mode                       | default            |
| PNS mode                      | high               |
| Gradient mode                 | default            |
| SofTone mode                  | no                 |

|                     |           |
|---------------------|-----------|
| contrast            |           |
| Reconstruction mode | real time |
| Save raw data       | no        |
| Hardcopy protocol   | no        |
| Ringling filtering  | default   |
| Geometry correction | default   |

Hospital (1) | DKennedy (1) | Ping-12152010 (12) 36:15.2 | RestState\_V1 06:40.0

| INFO PAGE                     |                     | GEOMETRY                   |              | CONTRAST             |              |
|-------------------------------|---------------------|----------------------------|--------------|----------------------|--------------|
| Total scan duration           | 06:40.0             | Nucleus                    | H1           | Scan type            | Imaging      |
| Rel. signal level (%)         | 100                 | Coil selection             | SENSE-Head-8 | Scan mode            | MS           |
| Act. TR/TE (ms)               | 2500 / 30           | element selection          | SENSE        | technique            | FFE          |
| Dyn. scan time                | 00:02.5             | connection                 | d            | Contrast enhancement | no           |
| ACQ matrix M x P              | 84 x 81             | Dual coil                  | no           | Acquisition mode     | cartesian    |
| ACQ voxel MPS (mm)            | 3.05 / 3.15 / 3.00  | CLEAR                      | no           | Fast Imaging mode    | EPI          |
| REC voxel MPS (mm)            | 2.67 / 2.67 / 3.00  | FOV RL (mm)                | 256          | shot mode            | single-shot  |
| Scan percentage (%)           | 96.66666            | AP (mm)                    | 256          | Echoes               | 1            |
| Packages                      | 1                   | FH (mm)                    | 150          | partial echo         | no           |
| Min. slice gap (mm)           | 0                   | Voxel size RL (mm)         | 3            | shifted echo         | no           |
| EPI factor                    | 29                  | AP (mm)                    | 3            | TE                   | user defined |
| Act. WFS (pix) / BW (Hz)      | 7.685 / 56.5        | Slice thickness (mm)       | 3            | (ms)                 | 30           |
| BW in EPI freq. dir. (Hz)     | 2694.0              | Recon voxel size (mm)      | 3            | Flip angle (deg)     | 75           |
| Min. WFS (pix) / Max. BW (Hz) | 7.663 / 56.7        | Fold-over suppression      | no           | TR                   | user defined |
| Min. TR/TE (ms)               | 2489 / 10           | Reconstruction matrix      | 96           | (ms)                 | 2500         |
| SAR / head                    | < 33 % / 1.1 W/kg   | SENSE                      | yes          | Halfscan             | no           |
| Whole body / level            | < 0.1 W/kg / normal | P reduction (AP)           | 3            | Water-fat shift      | minimum      |
| B1 rms [uT]                   | 1.347892            | P os factor                | 1            | Shim                 | auto         |
| PNS / level                   | 63 % / normal       | Stacks                     | 1            | Fat suppression      | SPIR         |
| Sound Pressure Level (dB)     | 17.76426            | type                       | parallel     | strength             | strong       |
| MOTION                        |                     | slices                     | 50           | frequency            | default      |
| Cardiac synchronization       | no                  | slice gap                  | user defined | offset               |              |
| Respiratory compensation      | no                  | gap (mm)                   | 0            | Water suppression    | no           |
| Navigator respiratory comp    | no                  | slice orientation          | transverse   | MTC                  | no           |
| Flow compensation             | no                  | fold-over direction        | AP           | Research prepulse    | no           |
| Temporal slice spacing        | equidistant         | fat shift direction        | P            | Diffusion mode       | no           |
| fMRI echo stabilisation       | no                  | Minimum number of packages | 1            | SAR mode             | high         |
| NSA                           | 1                   | Slice scan order           | ascend       | B1 mode              | default      |
| DYN/ANG                       |                     | PlanAlign                  | no           | PNS mode             | high         |
| Angio / Contrast enh.         | no                  | REST slabs                 | 0            | Gradient mode        | default      |
|                               |                     | Interactive positioning    | no           | SoFTone mode         | no           |
|                               |                     | OFFC/ANG                   |              |                      |              |
|                               |                     | Stacks                     | 1            |                      |              |

|                        |                |                        |           |
|------------------------|----------------|------------------------|-----------|
| Quantitative flow      | no             | Stack Offc. AP (P=+mm) | -18.22416 |
| Manual start           | no             | RL (L=+mm)             | 0.7572657 |
| Dynamic study          | individual     | FH (H=+mm)             | 18.90694  |
| dyn scans              | 156            | Ang. AP (deg)          | 0         |
| recon multiplier       | 1              | RL (deg)               | 0         |
| dyn scan times         | shortest       | FH (deg)               | 0         |
| dummy scans            | 2              |                        |           |
| immediate subtraction  | no             |                        |           |
| fast next scan         | no             |                        |           |
| synch. ext. device     | yes            |                        |           |
| start at dyn.          | 1              |                        |           |
| interval (dyn)         | 155            |                        |           |
| dyn stabilization      | no             |                        |           |
| prospect. motion corr. | no             |                        |           |
| Keyhole                | no             |                        |           |
| Arterial Spin labeling | no             |                        |           |
| <b>POST/PROC</b>       |                |                        |           |
| Preparation phases     | auto           |                        |           |
| Manual Offset Freq.    | no             |                        |           |
| B0 field map/Dixon     | no             |                        |           |
| B1 field map           | no             |                        |           |
| MIP/MPR                | no             |                        |           |
| Images                 | M, no, no, no  |                        |           |
| Autoview image         | M              |                        |           |
| Calculated images      | no, no, no, no |                        |           |
| Reference tissue       | Grey matter    |                        |           |
| Preset window contrast | soft           |                        |           |
| Reconstruction mode    | real time      |                        |           |
| reuse memory           | no             |                        |           |
| Save raw data          | no             |                        |           |
| Hardcopy protocol      | no             |                        |           |
| Ringing filtering      | default        |                        |           |
| Geometry correction    | default        |                        |           |

 Hospital (1) | 
  DKennedy (1) | 
  Ping-12152010 (12) 36:15.2 | 
  SV\_PRESS\_30 04:52.0

| INFO PAGE                      |                  | GEOMETRY          |              | CONTRAST          |              |
|--------------------------------|------------------|-------------------|--------------|-------------------|--------------|
| Total scan duration            | 04:52.0          | Nucleus           | H1           | Scan type         | Spectroscopy |
| Rel. signal level (%)          | 100              | Coil selection    | SENSE-Head-8 | Scan mode         | SV           |
| Act. TR/TE (ms)                | 2000 / 31        | element selection | SENSE        | technique         | ECHO         |
| Min. TR/TE (ms)                | 620 / 31         | connection        | d            | VOI selection     | volume       |
| Spectral resolution (Hz/point) | 2.441406         | Dual coil         | no           | method            | PRESS        |
| Readout duration (ms)          | 409.6            | VOI orientation   | transverse   | Gradient Spoiling | no           |
| SAR / head                     | < 8 % / 0.2 W/kg | VOI size AP (mm)  | 20           | Fast Imaging mode | none         |
|                                |                  | RL (mm)           | 20           | Echo acquisition  | half         |
|                                |                  |                   |              | TE                | shortest     |

|                              |                   |                      |               |                   |              |
|------------------------------|-------------------|----------------------|---------------|-------------------|--------------|
| Whole body / level           | 0.0 W/kg / normal | FH (mm)              | 20            | Flip angle (deg)  | 90           |
| B1 rms [uT]                  | 0.6437166         | Samples              | 1024          | RF pulse set      | normal       |
| PNS / level                  | 60 % / normal     | Spectral BW (Hz)     | 2500          | TR                | user defined |
| Sound Pressure Level (dB)    | 0                 | Chem. shift Dir AP   | A             | (ms)              | 2000         |
| <b>MOTION</b>                |                   | Chem. shift Dir LR   | L             | Shim              | PB-volume    |
| Cardiac synchronization      | no                | Chem. shift Dir FH   | F             | PB order          | second       |
| Respiratory compensation     | no                | REST slabs           | 0             | ShimAlign         | no           |
| Startup acquisitions         | 2                 | <b>OFFC/ANG</b>      |               | Water suppression | excitation   |
| NSA                          | 128               | Ang. AP (deg)        | 0             | window (Hz)       | 140          |
| Phase cycles                 | 16                | RL (deg)             | 0             | second pulse      | 300          |
| Frequency stabilization      | yes               | FH (deg)             | 0             | angle             |              |
| <b>DYN/ANG</b>               |                   | VOI offc. AP (P=+mm) | -55.98769     | WS prescan        | auto         |
| Parameter series             | no                | RL (L=+mm)           | 0.3393638     | BASING pulse      | no           |
| Manual start                 | no                | FH (H=+mm)           | 28.12745      | Fat suppression   | no           |
| Dynamic study                | no                | VOI ang. AP (deg)    | 0             | Research prepulse | no           |
| Arterial Spin labeling       | no                | RL (deg)             | 0             | Pre-saturation    | no           |
| <b>POST/PROC</b>             |                   | FH (deg)             | 0             | SAR mode          | high         |
| Preparation phases           | auto              | Shim Size AP (mm)    | 25            | B1 mode           | default      |
| Manual Offset Freq.          | no                | RL (mm)              | 25            | PNS mode          | low          |
| Receiver optimization        | ON                | FH (mm)              | 25            | Gradient mode     | maximum      |
| Spectral correction          | yes               | Offc. AP (P=+mm)     | -55.96823     | SofTone mode      | no           |
| spectral correction NSA      | 16                | RL (L=+mm)           | -1.060524E-07 |                   |              |
| fat supp. on correction      | no                | FH (H=+mm)           | 28.1645       |                   |              |
| Reference tissue             | White matter      | Ang. AP (deg)        | 0             |                   |              |
| PlanScan metabolite          | NAA               | RL (deg)             | 0             |                   |              |
| Shifted metabolite displayed | none              | FH (deg)             | 0             |                   |              |
| Preset window contrast       | soft              |                      |               |                   |              |
| Save raw data                | no                |                      |               |                   |              |
| Hardcopy protocol            | no                |                      |               |                   |              |
| Elliptical k-space shutter   | default           |                      |               |                   |              |

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