1. Scanner (include Type of scanner and Manufacturer)\*:

[ ]  Siemens Symphony

[ ]  Siemens Trio

[ ]  Siemens Skyra

[ ]  Philips Achieva

[ ]  GE Signa

[ ]  Other, specify

1. Camera Software\*:
2. Pulse Sequence (choose all that apply)

For each pulse sequence checked, record the scan parameters in the table in question #6

[ ]  MPRAGE

[ ]  SPGR

[ ]  GRE

[ ]  FLASH

[ ]  SWI

[ ]  DTI

[ ]  FLAIR

[ ]  SPACE/VISTA

[ ]  TSE/FSE

[ ]  Other, specify

1. Field Strength\*:

[ ]  1.5 T

[ ]  3 T

[ ]  4 T

[ ]  7 T

[ ]  Other, specify

1. Head Coil\*:

[ ]  8 channels

[ ]  12 channels

[ ]  32 channels

[ ]  Other, specify

1. Scan Parameters

Table for Scan Parameters

| PARAMETER | EXAMPLE | SEQUENCE #1 | SEQUENCE #2 | SEQUENCE #3 | SEQUENCE #4 | SEQUENCE #5 |
| --- | --- | --- | --- | --- | --- | --- |
| SEQUENCE TYPE[[1]](#footnote-1)\* | SPGR | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site |
| TR\* (ms) | 18 ms | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site |
| TE\* (ms) | 3 ms | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site |
| TI\* (ms) | N/A | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site |
| FLIP ANGLE\* (0) | 20 0 | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site |
| FIELD OF VIEW\* (mm x mm) | 240 x 240 | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site |
| DURATION\* (min) | 6.0 min | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site |
| IN-PLANE RESOLUTION MATRIX\* (mm x mm) | 256 x 256 | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site |
| MATRIX SIZE\* (mm x mm) | 256 x 256 | **[ ]** 64 x 64**[ ]** 128 x 128**[ ]** 256 x 256**[ ]** 512 x 512**[ ]** Other specify | **[ ]** 64 x 64**[ ]** 128 x 128**[ ]** 256 x 256**[ ]** 512 x 512**[ ]** Other specify | **[ ]** 64 x 64**[ ]** 128 x 128**[ ]** 256 x 256**[ ]** 512 x 512**[ ]** Other specify | **[ ]** 64 x 64**[ ]** 128 x 128**[ ]** 256 x 256**[ ]** 512 x 512**[ ]** Other specify | **[ ]** 64 x 64**[ ]** 128 x 128**[ ]** 256 x 256**[ ]** 512 x 512**[ ]** Other specify |
| NEX\* | 2 | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site |
| SLICE THICKNESS\* (mm) | 1.0 mm | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site |
| GAP\* (mm) | 0 mm | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site |
| # OF SLICES\* | 124 | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site | Data to be entered by site |
| ORIENTATION\*(choose only one) | **[ ]** Axial**[x]** Coronal**[ ]** Sagittal | **[ ]** Axial**[ ]** Coronal**[ ]** Sagittal | **[ ]** Axial**[ ]** Coronal**[ ]** Sagittal | **[ ]** Axial**[ ]** Coronal**[ ]** Sagittal | **[ ]** Axial**[ ]** Coronal**[ ]** Sagittal | **[ ]** Axial**[ ]** Coronal**[ ]** Sagittal |
| COVERS ENTIRE BRAIN?\* | **[x]** Yes**[ ]** No | **[ ]** Yes**[ ]** No | **[ ]** Yes**[ ]** No | **[ ]** Yes**[ ]** No | **[ ]** Yes**[ ]** No | **[ ]** Yes**[ ]** No |
| FIELD MAPS ACQUIRED?\* | **[x]** Yes**[ ]** No**[ ]** N/A | **[ ]** Yes**[ ]** No**[ ]** N/A | **[ ]** Yes**[ ]** No**[ ]** N/A | **[ ]** Yes**[ ]** No**[ ]** N/A | **[ ]** Yes**[ ]** No**[ ]** N/A | **[ ]** Yes**[ ]** No**[ ]** N/A |
| # OF GRADIENT DIRECTIONS\* (for DTI only) | **[x]** N/A | **[ ]** N/A | **[ ]** N/A | **[ ]** N/A | **[ ]** N/A | **[ ]** N/A |

1. Were contrast agents used?\* [ ]  Yes [ ]  No
2. Was any sedation administered?\* [ ]  Yes [ ]  No
3. Are there any obvious artifacts?\* [ ]  Yes [ ]  No

If yes, specify the artifacts:

[ ]  Excessive movement

[ ]  Poor gray/white contrast

[ ]  For DTI: Excessive table movement

[ ]  Other (specify):

1. Were any other types of neuroimaging data collected during this scan visit?\* [ ]  Yes [ ]  No

If yes, indicate the other types of neuroimaging data collected:

[ ]  Magnetic Resonance Spectroscopy (MRS)

[ ]  Functional MRI (fMRI)

[ ]  Resting state fMRI

[ ]  fMRI with a task

Specify tasks: [ ]  Finger tapping

 [ ]  N-back

 [ ]  Other specify

[ ]  Other (please specify):

\*Indicates core for an Imaging study only

## General Instructions

This CRF contains data that would be collected whenever a structural imaging study (including diffusion tensor imaging, DTI) is done. It is expected that the MR tech or the imaging project investigator will complete this form at the time of each scan.

Important note: Because MRI scanning is not required for every study, none of the data elements included on this CRF Module are classified as Core (i.e., strongly recommended for Huntington’s disease studies). However, if MR Localization Imaging is performed, this form should be completed. Thus, these data elements are classified as supplemental (i.e., non Core) and should only be collected if the research team considers them appropriate for their study. Please see the Data Dictionary for element classifications.

## Specific Instructions

Please see the Data Dictionary for definitions for each of the data elements included in this CRF Module. At this time, there is not a CRF or Data Dictionary for neuroimaging methods other than structural MRI/DTI (e.g., PET, SPECT, fMRI, MRS). These may be added in Version 4.0 of this CRF Module.

The CRF includes all instructions available for the data elements at this time. More detailed instructions will be added in Version 4.0 of this CRF Module.

1. In this row, for each column list each pulse sequence checked in question #3 (e.g., MPRAGE, FLAIR, DTI etc.) [↑](#footnote-ref-1)