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  Coronal  Sagittal | Axial  Coronal  Sagittal | Axial  Coronal  Sagittal | Axial  Coronal  Sagittal | Axial  Coronal  Sagittal | Axial  Coronal  Sagittal |
| COVERS ENTIRE BRAIN?\* | Yes  No | Yes  No | Yes  No | Yes  No | Yes  No | Yes  No |
| FIELD MAPS ACQUIRED?\* | 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) | 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)