1. Magnetic Field Strength of Scanner Used:

1.5 T  3.0 T  4.0 T  7.0 T  Other, specify: T

1. RF receiver coil and number of channels (check all that apply):

Head coil:  Body coil (transmit)

1. Sequences used:  fMRI  T1-weighted  Other, specify**:**
2. fMRI sequence
3. Resting state with eyes:  Closed-awake  Closed-sleep  Open-fixated  Open-random
4. Functional with tasks as:  Block designed  Event related
5. Slice orientation:  Axial  Coronal  Sagittal  Oblique
6. Field of view: (mm x mm): by
7. In-plane resolution: (mm x mm): by
8. Slice thickness: mm
9. Number of slices:
10. Gap between slices: mm
11. Number of volumes (or frames):
12. Repetition time (TR): ms
13. Echo time (TE): ms
14. Phase-encode direction:
15. Acquisition time: minutes
16. Flip angle (FA): degrees (⁰)
17. Base resolution: points
18. Phase resolution: %; Partial Fourier  Yes, specify:  No
19. Band width: Hz/Pixel
20. Flow compensation used:  Yes  No
21. Fat signal suppressed:  Yes  No
    1. Parallel acquisition used:  Yes  No

#### Method: GRAPPA SENSE Other, specify:

Additional details:

1. T1-fMRI sequence parameters
2. Slice orientation:  Axial  Coronal  Sagittal
3. Field of view: (mm x mm): by
4. In-plane resolution: (mm x mm): by
5. Slice thickness: mm
6. Gap between slices: mm
7. Number of slices:
8. Repetition time (TR): milliseconds
9. Echo time (TE): milliseconds
10. Acquisition time: minutes
11. Inversion time (TI): milliseconds
12. Flip angle (FA): degrees (⁰)
13. Base resolution: points
14. Phase resolution: %;Partial Fourier  Yes, specify:\_\_\_\_\_  No
15. Band width: Hz/Pixel
16. Echo spacing: milliseconds; Echo train length:
17. Slice over sampling: %
18. Phase-encode direction:
19. Flow compensation used:  Yes  No

If yes, method used:  GRAPPA  SENSE  Other, specify**:**

Additional details:

1. fMRI data processing software used:  SPM  AFNI  FSL  Other , specify:

Additional details:

1. Software used for quantitative analysis of T1-MRI:

SPM  FSL  FreeSurfer  Other, specify:

1. Software version number:
2. Name of the scanner manufacturer:

GE  Siemens  Philips  Other, specify:

1. Name of the scanner software and its version number:

Name: Version Number:

## General Instructions

This CRF includes data typically recorded in imaging studies to measure change in blood flow related to neural activity in the brain. This scan is widely used due to its low invasiveness, absence of radiation exposure, and wide availability.

Important note: None of the data elements included on this CRF Module are classified as Core (i.e., required for all ALS studies to collect). All 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.