1. Magnetic Field Strength of Scanner Used:

1.5 T  3.0 T  7.0 T  Other: T

1. Body part scanned:  Brain  Spine (cervical)  Spine (thoracic) ☐ Spine (lumbar)
2. RF receiver coil(s) and number of channels (check all that apply):

Head coil  Neck coil  Spine Array  Body coil (transmit)

1. Name of the scanner manufacturer:

GE  Siemens  Philips  Toshiba  Other, (please specify)

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

Name: (please specify) Version Number: (please specify)

1. B0-susceptibility distortion correction sequence obtained Y/N:

Yes  No

If yes, specify:

EPI blip down scan

Field map

T2 FSE

1. DTI sequence parameters
2. Sequence:  Spin-echo  STEAM
3. Slice orientation:  Axial  Coronal  Sagittal  Oblique
4. Field of view: ( ) x ( ) mm2
5. In-plane resolution: ( ) x ( ) mm2
6. Slice thickness: (please specify) mm
7. Number of slices: (please specify)
8. Repetition time (TR): (please specify) ms
9. Number of b-values (including b=0mm/s2)
10. For each b-value, list: the b-value, number of images or directions at each b-value, and the TE at each b-value (e.g. 0/1/72, 1000/30/72, etc.):
11. Number of signal averages: (please specify)
12. Acquisition time: (please specify) minutes
13. Base resolution: (please specify) points
14. Phase resolution: (please specify) %; Partial Fourier (please specify)
15. Band width: (please specify) Hz/Pixel
16. Echo spacing: (please specify) ms; Echo train length (EPI factor): (please specify); No. of shots: (please specify)
17. Interpolation:  Yes  No
18. Phase-encode direction: (please specify)
19. Flow compensation:  Yes  No
20. Fat signal suppression technique:  Chemical fat saturation  Spectral-spatial fat saturation  Other, specify:
21. Parallel acquisition used:  Yes  No

If yes, method used:  GRAPPA  SENSE  Other, (please specify)

Acceleration factor:

Additional details:

1. Multiband used Y/N:  Yes  No

If yes, what factor?

1. Post processing and analysis
2. Software used:  Scanner provided  FSL  DtiStudio  Other:, (please specify)
3. DWI co-registered to b=0 image and corrected for subject motion and eddy

current induced distortion?

Yes  No

If yes, method used:

1. DWI co-registered to structural image for B0-susceptibility distortion correction?

Yes  No

If yes, method used:

1. Spatially registered to a template for data analysis?

Yes  No

If yes, template used:

**General Instructions**

This CRF includes data typically recorded for imaging studies to obtain in vivo images of brain tissues. Diffusion Tensor Imaging (DTI) is important when a tissue has an internal fibrous structure analogous to the [anisotropy](http://en.wikipedia.org/wiki/Anisotropy) of some crystals. Water will then diffuse more rapidly in the direction aligned with the internal structure, and more slowly as it moves perpendicular to the preferred direction.

Important note: All elements on this CRF are considered Supplemental – Highly Recommended for ME/CFS and should be collected as part of a DTI study.

**Specific Instructions**

Please see the Data Dictionary for definitions for each of the data elements included in this CRF Module.

* RF receiver coil(s) and number of channels – Check all that apply