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(s) and number of channels (check all that apply):  Head coil:,  Body coil:,
2. Perfusion Imaging Method:  Dynamic Susceptibility Contrast (DSC)  Arterial Spin Labeling (ASL)
3. Contrast Used:  Yes  No

If Yes, name of the contrast: dosage: Injection rate: mL/min

1. For Axial DSC T2- MRI Sequence parameters:
2. Sequence:  Gradient-echo  Other, specify:
3. Field of view: x mm2
4. In-plane resolution: x mm2
5. Slice thickness: mm
6. Number of slices:
7. Repetition time (TR): ms
8. Echo time (TE): ms
9. Number of signal averages:
10. Acquisition time: minutes
11. Base resolution: points
12. Phase resolution: %; Partial Fourier
13. Band width: Hz
14. Echo spacing: ms; Echo train length (EPI factor):; No. of shots:
15. Interpolation:  Yes  No
16. Phase-encode direction:
17. Flow compensation:  Yes  No
18. Fat signal suppressed:  Yes  No
19. Parallel acquisition used:  Yes  No

If yes, method used:  GRAPPA  SENSE  Other, specify

1. Post processing and analysis
2. Software used:  Scanner provided  Other, specify
3. Software Version Number:
4. Parameter maps calculated:

Time to Peak (TTP)

Relative cerebral blood volume (relCBV)

Relative cerebral flow (relCBF)

Relative mean transit time (relMTT)

1. Name of the scanner manufacturer:

GE  Siemens  Philips  Other, specify:

Name of the scanner software and its version number:

Name: Version Number:

## GENERAL INSTRUCTIONS

This CRF includes data typically recorded when collecting information on blood flow irrigating a specific organ.

Important note: None of the data elements included on this CRF Module are classified as Core (i.e., required for all Mitochondrial Disease 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.

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