1. Date of scan:
2. Equipment Selection and Requirements:

a. Magnet Strength (Choose one):

[ ]  1.5T [ ]  3T [ ]  4T [ ]  7T [ ]  Other, specify:

b. Coil (Choose one):

[ ]  Single Coil [ ]  8-ch [ ]  16-ch [ ]  32-ch [ ]  Other, specify:

c. Name of the scanner manufacturer:

[ ]  GE [ ]  Siemens [ ]  Philips [ ]  Toshiba [ ]  Other, specify:

d. Number of different MRI scanners used:

e. Scanner software or hardware updates during study performance:

3. Imaging parameters:

1. Echo time: (ms)
2. Repetition time: (ms)
3. Flip angle: o
4. Number of slices:
5. Slice thickness: (mm)
6. Slice orientation: [ ]  Transverse [ ]  Sagittal [ ]  Coronal [ ]  Other, specify:
7. Angiography method:

[ ]  Contrast enhanced, specify: [ ]  Time of flight, specify time: (sec) [ ]  Other, specify:

1. Timing of imaging in relation to headache: [ ]  ictal [ ]  inter-ictal [ ]  peri-ictal
	1. If ictal, pain intensity at time of recordings:
	2. If ictal, duration of time since onset of headache (include units):
	3. If inter-ictal or peri-ictal, duration of time since end of last headache (include units):
	4. If inter-ictal or peri-ictal, duration of time until start of next headache (include units):
2. Quality assurance:

Was visual analysis performed while blind to clinical data? [ ]  Yes [ ]  No [ ]  Unknown

1. Image post-processing method:
2. Automated evaluation of vascular magnetic resonance image data? [ ]  Yes [ ]  No
3. What processing tool(s)/package(s) version(s) was/were used for analyzing the data?
4. Reporting
5. Vessel studied? If yes, list all vessels studied
6. Outline the statistical test(s) and significance levels for comparisons between test and control groups

## General Instructions

This CRF contains data that would be collected when an imaging study is performed to visualize both function and anatomy in the brain.

Headache or migraine specific elements/measures that are not captured on this form but are important to the imaging analysis should be collected on other study-specific source documentation (e.g. Headache Diary, Concomitant Medications).

Important note: All elements on this CRF are considered Supplemental and should only be collected if the research team considers them appropriate for their study.

## Specific Instructions

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

* Date of Scan – Record the date/time according to the ISO 8601, the International Standard for the representation of dates and times ([Click here for International Standard for Dates and Times](http://www.iso.org/iso/home.html)). The date/time should be recorded to the level of granularity known (e.g., year, year and month, complete date plus hours and minutes, etc.).
* Scanner type – No additional instructions.
* Echo time – Record in ms.
* Repetition time – Record in ms.
* Flip angle – Record in degrees.
* Number of slices – No additional instructions.
* Slice thickness – Record in mm.
* Slice orientation – No additional instructions.
* Was visual analysis performed while blind to clinical data? – No additional instructions.
* Angiography method – If ‘contrast enhanced’, specify the contrast. If ‘Time of flight’ record in seconds.
* Timing of imaging in relation to headache – report the timing of imaging in relation the headache. The precise time windows for peri-ictal and inter-ictal vary with headache type. For episodic migraine, an interval of at least 72h from the last and before the next attack is generally accepted for “inter-ictal”.
* Image post-processing method – No additional instructions.