## Patient Information

1. \*\*Study ID number:
2. \*\*Date and time of study (M M/D D/Y Y Y Y):

(HH:MM, 24 hr clock):

1. \*\*Scan purpose (Select all that apply):

**[ ]** Diagnostic

**[ ]** Post-treatment

**[ ]** Monitoring

**[ ]** Other, specify:

## Technical Information

1. \*Imaging modality (Select all that apply):

[ ]  Non-contrast CT

[ ]  Contrast CT

[ ]  CT Angiography

[ ]  X-Ray angiography

[ ]  MRI

[ ]  MR angiography

[ ]  Post-contrast CT

[ ]  Contrast MRI

[ ]  Non-contrast MRI

[ ]  PET

[ ]  SPECT

[ ]  MEG

[ ]  CT perfusion

[ ]  MRI perfusion

[ ]  OCT

[ ]  Microscopy

[ ]  DEXA

[ ]  EEG

[ ]  Ultrasound

[ ]  CBCT

[ ]  Other, specify:

* 1. MRI details:
		1. Field strength of scanner used:

[ ]  1.5 T [ ]  3.0 T

[ ]  4.0 T [ ]  7.0 T

[ ]  Other, specify:

* + 1. Sequences acquired and slice thickness (\*\*Select all that apply, if selected provide slice thickness:)

[ ]  DWI / ADC (mm):

[ ]  GRE (mm):

[ ]  SWI (mm):

[ ]  PWI (mm):

[ ]  FLAIR (mm):

[ ]  Post-contrast FLAIR (mm):

[ ]  T1-weighted spin echo with contrast (mm):

[ ]  T1-weighted spin echo without contrast (mm):

[ ]  Post-contrast T1-weighted (mm):

[ ]  COW MRA (mm):

[ ]  CE MRA (mm):

[ ]  EPI (mm):

[ ]  T1 (mm):

[ ]  T2W SE (mm):

[ ]  T2 (mm):

[ ]  T1W SE (mm):

[ ]  DWI (mm):

[ ]  T1W 3D gradient-echo (mm):

[ ]  DTI (mm):

[ ]  PD/T2W FSE (mm):

[ ]  MRSI (mm):

[ ]  DIR (mm):

[ ]  rFOV (mm):

[ ]  PSIR (mm):

[ ]  Gradient-echo (mm):

[ ]  fMRI (mm):

[ ]  Pulsed-ASL (mm):

[ ]  PRESS (mm):

[ ]  Continuous-ASL (mm):

[ ]  Spectroscopic imaging 2D (mm):

[ ]  Pseudocontinuous-ASL (mm):

[ ]  Spectroscopic imaging 3D (mm):

[ ]  TOF Neck MRA (mm):

[ ]  Spin echo (mm):

[ ]  FLASH (mm):

[ ]  STEAM (mm):

[ ]  MPRAGE (mm):

[ ]  Single voxel spectroscopy (SVS) (mm):

[ ]  SPGR (mm):

[ ]  Multivoxel spectroscopy (mm):

[ ]  SPACE/VISTA (mm):

[ ]  Unlocalized spectroscopy (mm):

[ ]  TSE/FSE (mm):

[ ]  ISIS (mm):

[ ]  PD SE (mm):

[ ]  Dual echo PD/T2W SE (mm):

[ ]  Other, specify: (mm):

* 1. CT details:
		1. \*\*Was CTA source image used?

[ ]  Yes

[ ]  No

[ ]  Unknown

* + 1. Number of slices:

[ ]  64

[ ]  128

[ ]  256

[ ]  320

[ ]  Other, specify:

* + 1. Window settings:
			1. Window:
			2. Level:
1. Read type (Select all that apply):

**[ ]** Central

**[ ]** Central read

**[ ]** Local-site

**[ ]** Local read

**[ ]** Local report

**[ ]** Other, specify:

1. Reader blinded to clinical data:

[ ]  Yes [ ]  Unknown

[ ]  No

1. Study technically satisfactory:

[ ]  Yes

[ ]  Unknown

[ ]  No

[ ]  Not applicable

## hemorrhage

1. \*\*Intraventricular hemorrhage (IVH) present:

[ ]  Present [ ]  Absent (Skip to 3)

[ ]  Indeterminate

* 1. \*\*Graeb IVH scale:

Use the following for i– ii:

1= Trace amount of blood or mild bleeding;

2= < Half of the ventricle filled with blood;

3= > Half of the ventricle filled with blood;

4= Ventricle expanded and filled with blood

* + 1. Right lateral ventricle score:
		2. Left lateral ventricle score:

Use the following for iii – iv:

1= Blood present without dilatation;

2= Ventricle expanded and filled with blood

* + 1. Third ventricle score:
		2. Fourth ventricle score:
		3. Total score (Sum of scores i. – iv.; maximum score is 12):
	1. \*\*Volume (cc):
1. \*\*Subarachnoid hemorrhage (SAH) present:

[ ]  Present [ ]  Absent

[ ]  Indeterminate

* 1. \*\*Fisher grade:

[ ]  Grade 1: No hemorrhage evident

[ ]  Grade 2: SAH less than 1 mm thick

[ ]  Grade 3: SAH more than 1 mm thick

[ ]  Grade 4: SAH of any thickness with IVH or parenchymal extension

* 1. \*\*Modified Fisher scale:

[ ]  Grade 0: No SAH or IVH

[ ]  Grade 1: SAH less than 1 mm thick, no IVH

[ ]  Grade 2: SAH less than 1 mm thick, with IVH

[ ]  Grade 3: SAH more than 1 mm thick, no IVH

[ ]  Grade 4: SAH more than 1 mm thick. with IVH

* 1. Hijdra scale (Select all that apply in table below):

Location Table

| Location | Value |
| --- | --- |
| Frontal cistern | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Lateral Sylvian Right cistern | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Lateral Sylvian Left cistern | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Basilar Sylvian Right cistern | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Basilar Sylvian Left cistern | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Suprasellar Right cistern | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Suprasellar Left cistern | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Ambient Right cistern | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Ambient Left cistern | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Quadrigeminal cistern | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Fourth Ventricle | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Third ventricle | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Lateral Ventricle Right | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |
| Lateral Ventricle Left | [ ]  0 – no amount of blood[ ]  1 – small amount of blood (cisterns), sedimentation of blood in the posterior part (ventricles)[ ]  2 – moderately filled with blood (cisterns), partly filled with blood (ventricles)[ ]  3 – completely filled with blood |

Total score:

1. \*\*Subdural hematoma present:

[ ]  Yes

[ ]  No

[ ]  Unknown

* 1. \*\*Type:

[ ]  Subacute

[ ]  Acute

[ ]  Lengthy

[ ]  Prolonged

[ ]  Chronic

## Additional Findings

1. Any shift present?

[ ]  Yes

[ ]  No (Skip to 2)

If yes (specify mm):

[ ]  Midline:

[ ]  Septal:

[ ]  Pineal:

1. \*\*Hydrocephalus:

[ ]  Yes

[ ]  No

[ ]  Unknown

If yes, bicaudate index:

1. \*\*Arteriovenous malformation:

[ ]  Yes

[ ]  No

[ ]  Unknown

\*\*If yes, specify location:

1. Barrow Neurological Institute Score:

[ ]  Grade 1: No blood

[ ]  Grade 2: SAH ≤ 5 mm

[ ]  Grade 3: SAH between 5 and ≤ 10 mm

[ ]  Grade 4: SAH between 10 and ≤ 15 mm

[ ]  Grade 5: SAH greater than 15 mm

## General Instructions

This CRF contains data that would be collected when an imaging study is performed to measure parenchyma.

Important note: A subset of the data elements included on this CRF Module is considered Core (i.e., strongly recommended for SAH clinical studies to collect if imaging studies are performed), Supplemental – Highly Recommended, or Exploratory (as indicated by asterisks below):

\*Element is classified as Core

\*\*Element is classified as Supplemental – Highly Recommended

\*\*\*Element is classified as Exploratory

The remaining data elements are 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.

The CRF includes all instructions available for the data elements at this time. More detailed instructions will be added in Version 2.0 of this CRF Module.