## Patient Information

1. \*\*Study ID number:
2. \*\*Date and time of study:
3. \*\*Scan purpose (Select all that apply):

[ ]  Diagnostic

[ ]  Post-treatment

[ ]  Monitoring

[ ]  Other, specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Technical Information

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

[ ]  DSA

[ ]  MRA

[ ]  CTA

[ ]  CBCT

1. \*\*\*Digital Subtraction Angiography (DSA)
	1. Site of access:

[ ]  Brachial [ ]  Femoral

[ ]  Radial [ ]  Other

* 1. Selective injections (Select all that apply in table below and side):

 Technical Information Table

|  Injection Site | Side |
| --- | --- |
| Common Carotid | [ ]  Right[ ]  Left[ ]  Bilateral[ ]  N/A – Not present |
| Internal Carotid | [ ]  Right[ ]  Left[ ]  Bilateral[ ]  N/A – Not present |
| Vertebral | [ ]  Right[ ]  Left[ ]  Bilateral[ ]  N/A – Not present |
| Subclavian | [ ]  Right[ ]  Left[ ]  Bilateral[ ]  N/A – Not present |

1. \*\*Magnetic Resonance Angiography (MRA): (Select all that apply)

[ ]  Head (Time of Flight - TOF)

[ ]  Neck (TOF)

[ ]  Contrast enhanced Head and Neck

[ ]  Magnetic Resonance Venography (MRV) with contrast

[ ]  Magnetic Resonance Venography (MRV) without contrast

[ ]  Computer Tomography Venography (CTV)

1. \*\*Computer Tomography Angiography (Select all that apply):

[ ]  Head

[ ]  Neck

[ ]  Computer Tomography Venography (CTV)

1. Read type (Select all that apply):

[ ]  Local read

[ ]  Local report

[ ]  Local – Site

[ ]  Central

[ ]  Central read

[ ]  Other, specify

1. Reader blinded to clinical data:

[ ]  Yes

[ ]  No

[ ]  Unknown

1. Study technically satisfactory:

[ ]  Yes

[ ]  No

[ ]  Unknown

[ ]  Not applicable

## Findings

1. Arterial findings: Findings, Cause, Symptomology:
	1. CCA origin:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. CCA to bifurcation:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. ICA at origin:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. C1 cervical:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. C2 petrous:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. C3 lacerum:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. C4 cavernous:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. C5 clinoidal:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. C6 – ophthalmic to PCOM:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. C6 – PCOM to terminus:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. A1:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. A2:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. M1 proximal to striate:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. M1 distal to striate:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. M2 single:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. M2 multiple:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. M3 single:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. M3 multiple:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. M4 single:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. M4 multiple:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. Vertebral origin:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. Vertebral - cervical:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. Vertebral – intracranial proximal to PICA:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. Vertebral – distal to PICA:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. Basilar – distal to AICA:

: Findings Table

|  |  |
| --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High |

* 1. Basilar - mid:

: Findings Table

|  |  |
| --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High |

* 1. Basilar – proximal to AICA:

: Findings Table

|  |  |
| --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High |

* 1. PCOM:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. P1:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. P2:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. P3:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. SCA:

 :Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. AICA:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

* 1. PICA:

: Findings Table

| Side | Right | Left |
| --- | --- | --- |
| \*Findings | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized | [ ]  Normal[ ]  Occlusion[ ]  Aneurysm[ ]  Stenosis[ ]  AVM[ ]  Not visualized |
| Cause | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown | [ ]  Atherosclerotic[ ]  Embolic[ ]  Vasospasm[ ]  Other[ ]  Unknown |
| Symptomology | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate | [ ]  Symptomatic[ ]  Asymptomatic[ ]  Indeterminate |
| \*\*Level of Confidence | [ ]  Low[ ]  Moderate[ ]  High | [ ]  Low[ ]  Moderate[ ]  High |

## Aneurysm Details

1. Shape/pathology of aneurysm:

[ ]  Saccular

[ ]  Fusiform

[ ]  Dissecting

1. \*\*Location of aneurysm:

[ ]  Cavernous

[ ]  Persistent trigeminal

[ ]  Medial paraclinoid

[ ]  Lateral paraclinoid

[ ]  Ophthalmic

[ ]  Superior hypophyseal

[ ]  Posterior communicating

[ ]  Anterior choroidal

[ ]  Internal carotid artery bifurcation

[ ]  Middle cerebral artery bifurcation

[ ]  Anterior communicating

[ ]  Pericallosal

[ ]  Posterior inferior cerebellar artery

[ ]  Superior cerebellar

[ ]  Basilar apex

[ ]  Other

1. \*\*Dome size of aneurysm (mm):
2. \*\*Neck size of aneurysm (mm):
3. Presence of daughter lobes or aneurysm irregularity:

[ ]  Yes

[ ]  No

[ ]  Unknown

1. \*\*Aneurysm morphology type:

[ ]  Regular

[ ]  Bleb

[ ]  Daughter-sac, multilobed aneurysm

1. \*\*Largest height/largest neck diameter for each aneurysm:
2. Presence of mural thrombus or partial thrombosis in aneurysm:

[ ]  Yes

[ ]  No

[ ]  Unknown

1. Degree of stenosis:
2. Presence of 3D reconstruction of aneurysm:

[ ]  Yes

[ ]  No

[ ]  Unknown

## Endovascular Treatment

1. Wall opposition for stents or flow diverters:

[ ]  Good

[ ]  Poor

[ ]  Unknown

1. \*\*Occlusion percentage of aneurysm:
2. \*\*Raymond-Roy Occlusion Classification:

[ ]  Complete occlusion

[ ]  Dog ear

[ ]  Residual neck

[ ]  Residual aneurysm

1. Occlusion of parent or branch vessel related to aneurysm:

[ ]  Yes

[ ]  No

[ ]  Unknown

## \*\*\*CFD: Volumetric

1. Mean kinetic energy measurement of aneurysm:
2. Mean velocity measurement of aneurysm (cm/sec):
3. Mean aneurysm shear rate:
4. Mean aneurysm vorticity:
5. Mean viscous dissipation:
6. Vortex coreline length (cm):

## CFD: Surface Factors

1. Mean wall shear stress of aneurysm (dyne/cm2):
2. Maximum wall shear stress (dyne/cm2):
3. Minimum wall shear stress (dyne/cm2):
4. \*\*\*Shear concentration index:
5. \*\*\*Percentage of aneurysm under low WSS:
6. \*\*\*Mean oscillatory shear stress

## CFD: Hemodynamic Factors

1. \*\*\*Mean inflow rate of aneurysm (ml/sec):
2. \*\*\*Inflow concentration index:

## General Instructions

This CRF contains data that would be collected when an imaging study is performed using angiography to examine the blood vessels of the body. There are separate sections to record arterial findings.

Important note: A subset of the data elements included on this CRF Module is considered Core (i.e., strongly recommended for stroke clinical studies to collect if imaging studies are performed), Supplemental – Highly Recommended and 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.