## 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. NIH Stroke Scale (NIHSS) at time of scan (0-42):[[1]](#footnote-1)
2. Scan purpose (Select all that apply):

[ ] Diagnostic

[ ] Post-treatment

[ ] Monitoring

[ ] Other, specify:

## MRI Findings

1. MR-based identification of core–Volumes:

1 Volume Type Table

| Volume Type | Threshold used to delineate abnormality | Value of threshold used to delineate abnormality | Defect volume (ml) |
| --- | --- | --- | --- |
| Diffusion Weighted Imaging (DWI) volume | [ ] Absolute[ ] Relative | Data to be entered by site | Data to be entered by site |
| Apparent Diffusion Coefficient (ADC) volume | [ ] Absolute[ ] Relative | Data to be entered by site | Data to be entered by site |
| Other: | [ ] Absolute[ ] Relative | Data to be entered by site | Data to be entered by site |

1. MR-based identification of perfusion defect
	1. Method used for perfusion processing:

[ ] No deconvolution

[ ] Deconvolution without delay correction

[ ] Deconvolution with delay correction

* 1. Volumes:

2 Volume Type Table

| Volume Type | Threshold used to delineate abnormality | Value of threshold used to delineate abnormality | Defect volume (ml) |
| --- | --- | --- | --- |
| Cerebral blood flow (CBV) defect volume | [ ] Absolute[ ] Relative | Data to be entered by site | Data to be entered by site |
| Mean transit time lesion volume | [ ] Absolute[ ] Relative | Data to be entered by site | Data to be entered by site |
| Time to peak lesion volume | [ ] Absolute[ ] Relative | Data to be entered by site | Data to be entered by site |
| Time-to-maximum (Tmax) lesion volume | [ ] Absolute[ ] Relative | Data to be entered by site | Data to be entered by site |

1. MR-based identification of penumbra – Method used for penumbra calculation: (Select all that apply; if selected, provide volume)

[ ] DWI-CBF mismatch (volume):

[ ] DWI-MTT mismatch (volume):

[ ] DWI-TTP mismatch (volume):

[ ] DWI-Tmax mismatch (volume):

[ ] Multiparametric model (volume):

[ ] Other, specify (volume):

## CT Findings

1. Perfusion CT (PCT)-based identification of core
	1. Cerebral blood volume (CBV) defect volume:
		1. Threshold used to delineate abnormality:

[ ] Absolute

[ ] Relative

* + 1. Value of threshold used to delineate abnormality:
		2. Defect volume:
	1. Method used for penumbra calculation (Select all that apply; if selected, provide volume):

[ ] CBV (volume) :

[ ] Multiparametric Model (volume):

1. PCT-based identification of perfusion defect
	1. Method used for perfusion processing:

[ ] No deconvolution

[ ] Deconvolution without delay correction

[ ] Deconvolution with delay correction

* 1. Volumes

3 Volume Type Table

| Volume Type | Threshold used to delineate abnormality | Value of threshold used to delineate abnormality | Defect volume (ml) |
| --- | --- | --- | --- |
| Regional cerebral blood flow (rCBF) defect volume | [ ] Absolute[ ] Relative | Data to be entered by site | Data to be entered by site |
| Mean transit time lesion volume | [ ] Absolute[ ] Relative | Data to be entered by site | Data to be entered by site |
| Time to peak lesion volume | [ ] Absolute[ ] Relative | Data to be entered by site | Data to be entered by site |
| Time-to-maximum (Tmax) lesion volume | [ ] Absolute[ ] Relative | Data to be entered by site | Data to be entered by site |

1. PCT-based identification of penumbra–Method used for penumbra calculation (Select all that apply; if selected, provide volume):

[ ] CBV-CBF mismatch (volume):

[ ] CBV-MTT mismatch (volume):

[ ] CBV-TTP mismatch (volume):

[ ] CBV-Tmax mismatch (volume):

[ ] Multiparametric model (volume):

[ ] Other, specify (volume):

## General Instructions

This CRF contains data that would be collected when an imaging study is performed to measure perfusion and penumbra. There are separate sections to record MRI findings and CT findings.

Important note: A subset of the data elements included on this CRF Module is considered Supplemental – Highly Recommended (i.e., strongly recommended for stroke clinical studies to collect if imaging studies are performed). The remaining data elements are Supplemental and should only be collected if the research team considers them appropriate for their study.

\*\*Recommended as a Supplemental – Highly Recommended Stroke CDE if protocol includes imaging.

## Specific Instructions

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

1. NIHSS is also included on other Stroke CDE CRF Modules. This item should be pre-populated if initially collected elsewhere so as to avoid redundant data points. [↑](#footnote-ref-1)