

Appendix 1 – Identified Common Data Elements

Patient Characteristics (13)	Age at Procedure Characteristics	Weight (kg)
	Gender	Living Status
	Race	Zip/Postal Code
	Primary Insurer	Ambulatory Status
	Height (inches)	Smoking
	Height (cm)	Quit Smoking Date
	Weight (lbs)	
Medical History (14)	Chronic obstructive pulmonary disease	Prior Coronary Artery Bypass Graft
	Diabetes	Prior Percutaneous Coronary Intervention
	Dialysis	Prior Carotid Endarterectomy/Carotid Artery Stenting
	Hypertension	Major surgery
	Atrial Fibrillation	Major Brain surgery
	Hyperlipidemia	Major cardiac Procedure Characteristics
	Prior Congestive Heart Failure	Major vascular Procedure Characteristics
Pre-Procedural Characteristics (36)	Admit Date	Time at IV tPA Given
	Visit Code	Other IV Thrombolytic Given
	Transferred From?	Time at other IV Thrombolytic
	CAD Symptoms	Pre-Stroke Modified Rankin Score (mRS)
	Prior Stroke Event	National Institute of Health Stroke Score
	Pre-op Hemoglobin (g/dl)	Computed Tomography Angiography
	Pre-op Hemoglobin (g/L)	Magnetic Resonance Imaging
	Creatinine (mg/dl)	Computed Tomography Perfusion
	Creatinine (umol/L)	Magnetic Resonance Perfusion
	Blood Pressure On Arrival - Systolic	Computed Tomography
	Diastolic	Alberta Stroke Program Early CT Score
	International Normalized Ratio	Core Infarct Volume (DWI Volume)
	Glucose	Stroke Onset Witnessed
	Pre-Op American Society of Anesthesiologists Physical Status Classification	Time Last Known Well
	Pre-Op P2Y12 Antagonist	Time at First Emergency Department Arrival
	Pre-Op Statin	Time at Second ED Arrival
	Pre-Op Chronic Anticoagulant	Time at Most Recent Imaging Done
IV Tissue Plasminogen Activator (tPA) Given	Time at Image Interpretation	
Procedure Characteristics (102)	Procedure Characteristics Date	Final Pass Stent Ret Dia
	Primary Physician	Pass 1 Stent Ret Len
	Assistant	Pass 2 Stent Ret Len
	Medicare Health Insurance Claim Number	Final Pass Stent Ret Len
	Hypercoagulable State	Pass 1 Asp Catheter

Ipsilateral	Pass 2 Asp Catheter
Contralateral	Final Pass Asp Catheter
Initial Location of Occlusion	Pass 1 Asp Cath Other
Side of Occlusion	Pass 2 Asp Cath Other
Location of Additional Occlusion	Final Pass Asp Cath Other
Side of Additional Occlusion	Pass 1 Separator Used
Expanded Thrombolysis In Cerebral Infarction Grade	Pass 2 Separator Used
Trial Enrollment	Final Pass Separator Used
American Society of Anesthesiologists Class	Pass 1 Asp Type
Anesthesia	Pass 2 Asp Type
Intubated Prior to Angio Suite Arrival	Final Pass Asp Type
Time at Arrival to Angio Suite	Additional Treatment
Time at Groin Puncture	Extra Cranial Angioplasty
Stroke Onset to Groin Puncture	Side of Extra Cranial Angioplasty
ED Arrival to Groin Puncture	Extra Cranial Stent
Number of Passes	Side of Extra Cranial Stent
Pass 1 Intervention Type	Intra-arterial Thrombolytic Given
Pass 2 Intervention Type	Thrombolytic Dosage
Final Pass Intervention Type	IIB/IIIa Inhibitor Given
Pass 1 Clot Location	Heparin Given
Pass 2 Clot Location	Total Heparin Units
Final Pass Clot Location	Activated Clotting Time
Pass 1 Guide Cath Balloon	Angiomax Given
Pass 2 Guide Cath Balloon	ASA Given Intra-procedurally
Final Pass Guide Cath Balloon	ASA Dosage
Pass 1 Guide Cath Asp	Route
Pass 2 Guide Cath Asp	P2Y12 Antagonist Given
Final Pass Guide Cath Asp	P2Y12 Antagonist Dosage
Pass 1 Inter Cath Asp	Other intraarterial medication (antispasm)
Pass 2 Inter Cath Asp	Route
Final Pass Inter Cath Asp	Total Fluoro Time
Pass 1 Inter Cath Used	Total Radiation
Pass 2 Inter Cath Used	Contrast Volume
Final Pass Inter Cath Used	Final eTICI Grade
Pass 1 Int Cath Other:	Time at Recanalization
Pass 2 Int Cath Other:	Intra-Procedural Complication
Final Pass Int Cath Other:	Embolization to Non-target Vessel
Pass 1 Distal Dev Trtmt App	Location of Vessel Perforation

	Pass 2 Distal Dev Trtmt App	Required Additional Treatment
	Final Pass Distal Dev Trtmt App	Technical Failure
	Pass 1 DD Treat App Other	Please Specify:
	Pass 2 DD Treat App Other	Procedure Characteristics Time
	Final Pass DD Treat App Other	Time to Recanalization
	Pass 1 Stent Retriever	Access artery issues and complications (including but not limited to)
	Pass 2 Stent Retriever	Dissection
	Final Pass Stent Retriever	Occlusion
	Pass 1 Stent Rtrvr Other	Device issues:
	Pass 2 Stent Rtrvr Other	Dissection
	Final Pass Stent Rtrvr Other	Device failure, breakage, or foreign body embolization
	Pass 1 Stent Ret Dia	Device related emboli
	Pass 2 Stent Ret Dia	Vessel perforation/rupture/extravasation (intracranial)
Post- Procedural Characteristics (29)	Hemorrhagic Infarction (HI) 1	Groin Puncture Complication Requiring Intervention
	HI2	Time Point of Occurrence
	Parenchymal hematoma (PH) 1 Type Hemorrhagic Transformation	Check All That Apply:
	PH2 Type Hemorrhagic Transformation	Final Infarct Volume defined using imaging type and timepoint
	Parenchymal hematoma remote from infarcted brain tissue	Final Infarct Volume NA
	Intraventricular hemorrhage	Intensive Care Unit Stay
	Subarachnoid hemorrhage	Discharge NIHSS
	Subdural hemorrhage	Discharge NIHSS NA
	Please Specify:	NIHSS Score Change (Timepoint - Pre-Stroke) ≥ 4
	Discharge Date	Suspected Cause of Neurologic Deterioration
	Discharge Status	Need for access site arterial repair
	Date of Death	Artery Type
	Post-Operative Length of Stay	Type of complication
	Alive at 24 Hours?	Subsequent complications
	24 Hour National Institute of Health Stroke Score	Retroperitoneal hemorrhage
24 Hour Computerized Tomography		
Imaging Data (3)	All Head and Neck Computerized Tomography /Computed Tomography Angiography/Computed Tomography Perfusion	All cerebral angiography - Digital Subtraction Angiography
	All head and Neck Magnetic Resonance- Magnetic Resonance Imaging/ Angiography/ Perfusion-weighted MRI	
Follow-Up (26)	Date of Contact	1 Year NIHSS
	Contact By	Re-admission within 1 year
	Current Living Status; (Rehab, Nursing Facility, Hospice, Home, Dead)	Antiplatelet or Dual Antiplatelet Therapy type and duration of therapy
	Date of Death	Cerebral target (treated) vessel re-occlusion
	Cause of Death	Death within 90 days

	Current Smoking	Death within 1 year
	30 Day Modified Rankin Score	New cerebral infarct within 30 days
	30 Day National Institute of Health Stroke Score	New cerebral infarct within 90 days
	Re-admission within 30 days	New cerebral infarct within 1 year
	90 Day mRS	Discharge Disposition; (Rehab, Nursing Facility, Hospice, Home)
	90 Day NIHSS	mRS 2 years
	Re-admission within 90 days	mRS 3 years
	1 Year mRS	mRS 5 years