

Procedure Information

Procedure # **Physician** **Fellow ID/Second Operator**
Procedure Date **Start Time** **Procedure End Date** **End Time**

Status of Procedure Elective Urgent Emergent

Patient History

Mechanical Aortic or Mitral Valve Y / N
Angina CCS Class III or IV within 6 weeks Y / N
Peripheral Arterial Disease (PAD) Y / N
Home O2 Therapy Y / N
Major surgery planned within next 8 weeks
 Cardiac
 Vascular
 Other
Previous Neck Radiation Y / N
Prior Neck Surgery (other than CEA) Y / N
Tracheostomy Present Y / N
Previous Laryngeal Nerve Palsy Y / N RT LT
Two or More Major Coronary Arteries with Stenosis ≥70% (LAD, LCX, RCA) Y / N
Left Main Coronary Artery Stenosis ≥50% Y / N
MI within 6 weeks Y / N
NYHA Functional Class III or IV w/in 6 weeks Y / N
Permanent Pacemaker or ICD Y / N
History of Seizure or Known Seizure Disorder Y / N
Previous Carotid Intervention Y / N
 RT LT CEA CAS

Carotid Intervention Timeframe

- ≤30 days ago
- 31-180 days ago
- ≥181 days ago

Neurologic Event(s) prior to procedure Y / N

TIA – RT **LT** **Retinal** **Hemispheric**
 Vertebrobasilar **Unknown**

TIA Timeframe

- ≤30 days ago
- 31-180 days ago
- ≥181 days ago

Ischemic Stroke – RT **LT** **Retinal** **Hemispheric**

Vertebrobasilar **Unknown**

Ischemic Stroke Timeframe

- ≤30 days ago
- 31-180 days ago
- ≥181 days ago

Intracranial Hemorrhage or Hemorrhagic Stroke –

Intraparenchymal **Subarachnoid** **Subdural**

Intracranial Hemorrhage Timeframe

- ≤30 days ago
- 31-180 days ago
- ≥181 days ago

Acute Evolving Stroke Y / N

Pre Procedure mRS Answer if prior Neuro Events or Acute Evolving Stroke is Yes Y / N _____ (score)

Transient Monocular Blindness Y / N

Imaging Studies Within past 6 months

Cardiac Stress Test Y / N
 Nml
 Abn
Electrocardiogram Y / N
 Nml
 Abn
Carotid Duplex Ultrasound (PRE) Y / N
Right
 PSV _____ cm/sec ND
 EDV _____ cm/sec ND
 ICA/CCA Ratio _____ ND
Left
 PSV _____ cm/sec ND
 EDV _____ cm/sec ND
 ICA / CCA Ratio _____ ND

MRA Angio Performed Y / N

MRA CCA Highest % Stenosis

RT _____ % ND

LT _____ % ND

MRA ICA Highest % Stenosis

RT _____ % ND

LT _____ % ND

CTA Angio Performed Y / N

CTA CCA Highest % Stenosis

RT _____ % ND

LT _____ % ND

CTA ICA Highest % Stenosis

RT _____ % ND

LT _____ % ND

Carotid Angio Performed Y / N

Carotid Angio CCA Highest % Stenosis

RT _____ % ND

LT _____ % ND

Carotid Angio ICA Highest % Stenosis

RT _____ % ND

LT _____ % ND

Labs Pre Procedure	Labs Post Procedure
Creatinine _____ mg/dl ND	Peak Creatinine _____ mg/dl ND
Hemoglobin _____ g/dl ND	Nadir Hemoglobin _____ g/dl ND
BNP _____ pg/ml ND	
Troponin Y / ND	
I _____ Units _____ No	
T _____ Units _____ No	
I HS _____ Units _____ No	
T HS _____ Units _____ No	

Medications During Procedure	Pre	During	Post	C / I		Pre	During	Post
Aspirin					Sodium Bicarbonate Infusion			
Clopidogrel (Plavix)					Saline <1 hr			
Prasugrel (Effient)					Saline 1-3 hrs			
Ticagrelor (Brilinta)					Saline 3-6 hrs			
Atropine					Saline >6 hrs			
IV Nitroglycerin					LR <1 hr			
IV Heparin/Unfractionated Heparin					LR 1-3 hrs			
Protamine					LR ≥3-6 hrs			
Bivalirudin (Angiomax)					LR >6 hrs			
Thrombolytics					Other <1 hr			
					Other 1-3 hrs			
					Other ≥3-6 hrs			
					Other >6 hrs			

Procedure Indications and Anatomic Variables	Target Lesion Symp w/in Past 6 Mos Y / N	FMD of Carotid Artery Y / N
Urgent Cardiac Surgery w/in 30 days Y / N	Syncope Y / N	Aortic Arch Type
Concurrent with CABG Y / N	Contralateral Carotid Artery Occl Y / N	I II III Unknown
		Bovine Arch Y / N

Procedure Details	Lesions Treated	Visible Thrombus Present Y / N
Target Carotid Vessel RT LT	○ Single lesion	Ulceration Y / N
TCAR Y / N	○ Distinct lesions	Calcification
Anesthesia	○ 2 nd Stenosis (Not Treated) Y / N	○ None
○ Local	○ 2 nd Lesion Pre proc % Stenosis _____ %	○ Mild to Moderate
○ General	Lesion 1:	○ Dense and Concentric
○ MAC	Restenosis in Target Vessel after Prior CAS	Lesion Length _____ mm / ND
Procedural Arterial Access Site	Y / N	Pre proc % Stenosis _____ % / ND
○ Femoral	Restenosis in Target Vessel after Prior CEA	Lesion Diff to Access Surgically Y / N
○ Brachial/Rad/Axillary	Y / N	○ High Cervical
○ Direct Carotid Puncture	Spontaneous Carotid Artery Dissection Y / N	○ Low Intrathoracic
○ Other	Target Lesion Location	EPD Attempted Y / N
	○ Isolated CCA	Predilation prior to EPD Deploy Y / N
	○ Isolated ICA	EPD Successfully Deployed Y / N
	○ Bifurcation	EPD Model Name _____

Lesion Tx Incomplete/Aborted Y / N

- Failure to gain vascular access
- Failure to confirm significant stenosis
- Unable to place guiding cath/ sheath
- Unable to cross guide wire
- Unable to cross balloon
- Unable to deploy EPD
- Unable to deliver stent
- Unable to deploy stent
- Difficult to access due to tortuosity
- Hypotension
- Hypertension
- Arrhythmia
- Cardiac ischemia
- Other

Stent #1: Answer if Lesion Aborted is No

Stent Implanted Y / N

Predilation Prior to Attempted Stent Implant Y / N

Stent Tapered Y / N

Stent dia _____mm / No

Stent length _____mm / No

Malposition Y / N

Stent Model Name _____

Final % Stenosis _____% / ND

Ballooning/Post dilation Performed

Y / N

Balloon dia _____mm / ND

Lesion 2: Answer when 2nd Stenosis (Not Treated) is No

Restenosis in Target Vessel after Prior CAS Y / N

Restenosis in Target Vessel after Prior CEA Y / N

Spontaneous Carotid Artery Dissection Y / N

Target Lesion Location

- Isolated CCA
- Isolated ICA
- Bifurcation

Visible Thrombus Present Y / N

Ulceration Y / N

Calcification

- None
- Mild to Moderate
- Dense and Concentric

Lesion Length _____mm / ND

Pre proc % Stenosis _____% / ND

Lesion Diff to Access Surgically Y / N

- High Cervical
- Low Intrathoracic

EPD Attempted Y / N

Predilation prior to EPD Deploy Y / N

EPD Successfully Deployed Y / N

EPD Model Name _____

Lesion Tx Incomplete/Aborted Y / N

- Failure to gain vascular access
- Failure to confirm significant stenosis
- Unable to place guiding cath/ sheath
- Unable to cross guide wire
- Unable to cross balloon
- Unable to deploy EPD
- Unable to deliver stent
- Unable to deploy stent
- Difficult to access due to tortuosity
- Hypotension
- Hypertension
- Arrhythmia
- Cardiac ischemia
- Other

Stent #2: Answer if Lesion Aborted is No
Stent Implanted Y / N

Predilation Prior to Attempted Stent Implant Y / N

Stent Tapered Y / N

Stent dia _____mm / No

Stent length _____mm / No

Malposition Y / N

Stent Model Name _____

Final % Stenosis _____% / ND

Ballooning/Post dilation Performed Y / N

Balloon dia _____mm / ND

Vascular Closure Type

- Manual: No device or mechanical type
- Perclose
- Angioseal
- Mynx
- Starclose
- Exoseal
- Surgical
- Celt
- Radial Compression Band
- Other

Contrast Volume _____ml / ND

Outcomes

Vascular Access Complications Y / N

- Retroperitoneal hematoma
- Pseudo-aneurysm
- Hematoma at access site
- Bleeding at access site
- AV fistula
- Acute thrombosis
- Surgical repair of the vascular access site
- Other

Filter Spasm Y / N

New TIA Y / N **RT** **LT**

Hemispheric/Retinal Vertebrobasilar Unknown

Slow Flow Y / N

- After stent deployment
- After post dilation
- Aspiration was performed
- Aspirate had visible debris
- Patient had neurological changes during slow flow

New Stroke Y / N **RT** **LT**

Hemispheric/Retinal Vertebrobasilar Unknown

Occurred Resolved

Worst mRS Y / N _____(score) **Answer when New Stroke is Yes**

Death Y / N

- During procedure
- Post procedure

Cause of Death

- Neurologic (Due to a new or progressive neuro event)
- Cardiac (Due to a fatal arrhythmia, MI or heart failure)
- Pulmonary (Due to a pulmonary complication)
- Vascular (D/T major blood loss or other vascular complication)
- Infection (Due to infection)
- Renal Failure (Due to renal failure)
- Other (Due to other cause)

Myocardial Injury Y / N

Date _____

- Acute Myocardial Injury
- Type 2 Myocardial Infarction
- Type 1 NSTEMI
- STEMI
- ND

Peak post-op troponin value Y / ND

I _____ **Units** _____ No

T _____ **Units** _____ No

I HS _____ **Units** _____ No

T HS _____ **Units** _____ No