

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 Y / N
 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
- 31-180 days
- ≥181 days

Neurologic Event(s) prior to procedure Y / N

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

TIA Timeframe

- ≤30 days
- 31-180 days
- ≥181 days

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

Vertebrobasilar **Unknown**

Ischemic Stroke Timeframe

- ≤30 days
- 31-180 days
- ≥181 days

Intracranial Hemorrhage or Hemorrhagic Stroke –

Intraparenchymal **Subarachnoid** **Subdural**

Neurologic Event Timeframe

- ≤30 days
- 31-180 days
- ≥181 days

Acute Evolving Stroke 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	Syncope Y / N	Contralateral Carotid Artery Occl Y / N
Urgent Cardiac Surgery w/in 30 days Y / N	Restenosis in Target Vessel after Prior CAS Y / N	FMD of Carotid Artery Y / N
Concurrent with CABG Y / N	Restenosis in Target Vessel after Prior CEA Y / N	Spontaneous Carotid Artery Diss Y / N
Target Lesion Symp w/in Past 6 Mos Y / N		

Procedure Details	Monitoring During Procedure Y / N	Arteriotomy Patch Used Y / N
Target Carotid Vessel	<input type="checkbox"/> Awake	Visible Thrombus Present Y / N
<input type="radio"/> Right	<input type="checkbox"/> Cerebral monitoring	Shunt Used Y / N
<input type="radio"/> Left	<input type="checkbox"/> Stump pressure	Completion Evaluation Y / N
Type of Carotid Procedure	<input type="checkbox"/> EEG	<input type="checkbox"/> Doppler
<input type="radio"/> Conventional	<input type="checkbox"/> Other	<input type="checkbox"/> Duplex
<input type="radio"/> Eversion	Antibiotics Pre Procedure Y / N	<input type="checkbox"/> Angiogram
ASA Class _____	Skin prep	<input type="checkbox"/> Flowprobe
Anesthesia	<input type="checkbox"/> Chlorhexidine	Drain Y / N
<input type="radio"/> General	<input type="checkbox"/> Alcohol	
<input type="radio"/> Local	<input type="checkbox"/> Iodine	
<input type="radio"/> Regional	<input type="checkbox"/> Chlorhexidine + Iodine	
	<input type="checkbox"/> Chlorhexidine + Alcohol	
	<input type="checkbox"/> Iodine + Alcohol	

Procedure Details (cont.)
Surgical Procedure Terminated Y / N

- Hypotension
- Hypertension
- Cardiac instability
- Nerve compromise
- Difficulty with anesthesia
- Inability to implement shunting
- Excessive scar tissue
- Difficult dissection
- Excessive bleeding
- Carotid artery thrombosis
- ICA string sign / atresia
- Inability to access lesion d/t anatomical reasons
- Other

Re-explore After Closure Y / N

Outcomes
New Stroke Y / N

RT LT

Hemispheric/Retinal Vertebrobasilar Unknown

Occurred Resolved

New TIA Y / N

RT LT

Hemispheric/Retinal Vertebrobasilar Unknown

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

CHF Y / N **Date** _____

Cranial Nerve Injury Y/N

- VII
- IX
- X
- XII
- Other

Dysrhythmia Y / N **Date** _____

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

Persistent Hypotension Y / N

Reperfusion Symptoms Y / N

- Seizure
- Hemorrhage
- Non specific

Return to OR Y / N

- Bleeding
- Neurologic Event
- Technical defect requiring revision

Reason for LOS >2 days after CEA? (Elective CEA only)

- Hypertension
- Lack of transportation
- No caregiver/support at home
- COPD
- Urinary retention
- Placement to another facility
- Worsening of stroke after CEA
- CEA & another surgical procedure, same DC
- Other