

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 $\geq 70\%$ (LAD, LCX, RCA) Y / N
Left Main Coronary Artery Stenosis $\geq 50\%$ 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

Creatinine _____ mg/dl ND
 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

Meds During Procedure

Aspirin (PRE) Procedure G NG C/I

Clopidogrel (Plavix) (PRE) Procedure G NG C/I

Prasugrel (Effient) (PRE) Procedure G NG C/I

Ticagrelor (Brilinta) (PRE) Procedure G NG C/I

Atropine (PRE) Procedure G NG

Glycopyrrolate (Monograph) DURING Procedure G NG

IV Nitroglycerin (DURING) Procedure G NG

IV Heparin/Unfractionated Heparin Pre During Post NG

Protamine (DURING) Procedure G NG

Thrombolytics Pre During Post NG

Labs Post Procedure

Peak Creatinine _____ mg/dl ND

Nadir Hemoglobin _____ g/dl ND

Infusions During Procedure	Pre	During	Post
Sodium Bicarb Infusion			
Saline <1 hr			
Saline 1-3 hrs			
Saline 3-6 hrs			
Saline >6 hrs			
LR <1 hr			
LR 1-3 hrs			
LR 3-6 hrs			
LR >6 hrs			
Other <1 hr			
Other 1-3 hrs			
Other 3-6 hrs			
Other >6 hrs			
Crystalloids (mL)			ND

Procedure Indications and Anatomic Variables

Urgent Cardiac Surgery w/in 30 days Y / N

Concurrent with CABG Y / N

Target Lesion Symp w/in Past 6 Mos Y / N

Syncope Y / N

Restenosis in Target Vessel after Prior CAS Y / N

Restenosis in Target Vessel after Prior CEA Y / N

Contralateral Carotid Artery Occl Y / N

FMD of Carotid Artery Y / N

Spontaneous Carotid Artery Diss Y / N

Procedure Details
Target Carotid Vessel

- ☐ Right
- ☐ Left

Type of Carotid Procedure

- ☐ Conventional
- ☐ Eversion

ASA Class _____

Anesthesia

- ☐ General
- ☐ Local
- ☐ Regional

Monitoring During Procedure Y / N

- ☐ Awake
- ☐ Cerebral monitoring
- ☐ Stump pressure
- ☐ EEG
- ☐ Train of Four
- ☐ Other

Antibiotics Pre Procedure Y / N

Skin prep

- ☐ Iodine
- ☐ Chlorhexidine + Iodine
- ☐ Chlorhexidine + Alcohol
- ☐ Iodine + Alcohol

Arteriotomy Patch Used Y / N

Visible Thrombus Present Y / N

Shunt Used Y / N

Completion Evaluation Y / N

- ☐ Doppler
- ☐ Duplex
- ☐ Angiogram
- ☐ Flowprobe

Drain Y / N

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