

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

<p>Labs Pre Procedure</p> <p>Creatinine _____ mg/dl ND</p> <p>Hemoglobin _____ g/dl ND</p> <p>BNP _____ pg/ml ND</p> <p>Troponin Y / ND</p> <p>I _____ Units _____ No</p> <p>T _____ Units _____ No</p> <p>I HS _____ Units _____ No</p> <p>T HS _____ Units _____ No</p> <p>Meds During Procedure</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Aspirin (PRE) Procedure</td><td>G</td><td>NG</td><td>C/I</td></tr> <tr><td>Clopidogrel (Plavix) (PRE) Procedure</td><td>G</td><td>NG</td><td>C/I</td></tr> <tr><td>Prasugrel (Effient) (PRE) Procedure</td><td>G</td><td>NG</td><td>C/I</td></tr> <tr><td>Ticagrelor (Brilinta) (PRE) Procedure</td><td>G</td><td>NG</td><td>C/I</td></tr> <tr><td>Atropine (PRE) Procedure</td><td>G</td><td>NG</td><td></td></tr> <tr><td>Glycopyrrolate (Monograph) DURING Procedure</td><td>G</td><td>NG</td><td></td></tr> <tr><td>IV Nitroglycerin (DURING) Procedure</td><td>G</td><td>NG</td><td></td></tr> <tr><td>IV Heparin/Unfractionated Heparin</td><td>Pre</td><td>During</td><td>Post NG</td></tr> <tr><td>Protamine (DURING) Procedure</td><td>G</td><td>NG</td><td></td></tr> <tr><td>Thrombolytics</td><td>Pre</td><td>During</td><td>Post NG</td></tr> </table>	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	<p>Labs Post Procedure</p> <p>Peak Creatinine _____ mg/dl ND</p> <p>Nadir Hemoglobin _____ g/dl ND</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Infusions During Procedure</th> <th>Pre</th> <th>During</th> <th>Post</th> </tr> </thead> <tbody> <tr><td>Sodium Bicarb Infusion</td><td></td><td></td><td></td></tr> <tr><td>Saline <1 hr</td><td></td><td></td><td></td></tr> <tr><td>Saline 1-3 hrs</td><td></td><td></td><td></td></tr> <tr><td>Saline 3-6 hrs</td><td></td><td></td><td></td></tr> <tr><td>Saline >6 hrs</td><td></td><td></td><td></td></tr> <tr><td>LR <1 hr</td><td></td><td></td><td></td></tr> <tr><td>LR 1-3 hrs</td><td></td><td></td><td></td></tr> <tr><td>LR 3-6 hrs</td><td></td><td></td><td></td></tr> <tr><td>LR >6 hrs</td><td></td><td></td><td></td></tr> <tr><td>Other <1 hr</td><td></td><td></td><td></td></tr> <tr><td>Other 1-3 hrs</td><td></td><td></td><td></td></tr> <tr><td>Other 3-6 hrs</td><td></td><td></td><td></td></tr> <tr><td>Other >6 hrs</td><td></td><td></td><td></td></tr> <tr><td>Crystalloids (mL)</td><td></td><td></td><td>ND</td></tr> </tbody> </table>	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
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<p>Procedure Indications and Anatomic Variables</p> <p>Urgent Cardiac Surgery w/in 30 days Y / N</p> <p>Concurrent with CABG Y / N</p>		<p>Target Lesion Symp w/in Past 6 Mos Y / N</p> <p>Syncope Y / N</p> <p>Contralateral Carotid Artery Occl Y / N</p>	<p>FMD of Carotid Artery Y / N</p> <p>Aortic Arch Type</p> <p>I II III Unknown</p> <p>Bovine Arch Y / N</p>																																																																																																		
<p>Procedure Details</p> <p>Target Carotid Vessel RT LT</p> <p>TCAR Y / N</p> <p>Anesthesia</p> <p><input type="radio"/> Local</p> <p><input type="radio"/> General</p> <p><input type="radio"/> MAC</p> <p>Procedural Arterial Access Site</p> <p><input type="radio"/> Femoral</p> <p><input type="radio"/> Brachial/Rad/Axillary</p> <p><input type="radio"/> Direct Carotid Puncture</p> <p><input type="radio"/> Carotid Cutdown</p> <p><input type="radio"/> Other</p> <p>Lesions Treated</p> <p><input type="radio"/> Single lesion</p> <p><input type="radio"/> Distinct lesions</p> <p><input type="radio"/> 2nd Lesion (Not Treated) Y / N</p> <p><input type="radio"/> 2nd Lesion Pre proc % Stenosis _____ %</p>	<p>Lesion 1:</p> <p>Restenosis in Target Vessel after Prior CAS Y / N</p> <p>Restenosis in Target Vessel after Prior CEA Y / N</p> <p>Spontaneous Carotid Artery Dissection Y / N</p> <p>Target Lesion Location</p> <p><input type="radio"/> Isolated CCA</p> <p><input type="radio"/> Isolated ICA</p> <p><input type="radio"/> Bifurcation</p> <p>Visible Thrombus Present Y / N</p> <p>Ulceration Y / N</p> <p>Calcification</p> <p><input type="radio"/> None</p> <p><input type="radio"/> Mild to Moderate</p> <p><input type="radio"/> Dense and Concentric</p> <p>Lesion Length _____ mm / ND</p> <p>Pre proc % Stenosis _____ % / ND</p> <p>Lesion Diff to Access Surgically Y / N</p> <p><input type="radio"/> High Cervical</p> <p><input type="radio"/> Low Intrathoracic</p>	<p>EPD Attempted Y / N</p> <p>Predilation prior to EPD Deploy Y / N</p> <p>EPD Successfully Deployed Y / N</p> <p>EPD Model Name _____</p> <p>Lesion Tx Incomplete/Aborted Y / N</p> <p><input type="checkbox"/> Failure to gain vascular access</p> <p><input type="checkbox"/> Failure to confirm significant stenosis</p> <p><input type="checkbox"/> Unable to place guiding cath/sheath</p> <p><input type="checkbox"/> Unable to cross guide wire</p> <p><input type="checkbox"/> Unable to cross balloon</p> <p><input type="checkbox"/> Unable to deploy EPD</p> <p><input type="checkbox"/> Unable to deliver stent</p> <p><input type="checkbox"/> Unable to deploy stent</p> <p><input type="checkbox"/> Difficult to access due to tortuosity</p> <p><input type="checkbox"/> Hypotension</p> <p><input type="checkbox"/> Hypertension</p> <p><input type="checkbox"/> Arrhythmia</p> <p><input type="checkbox"/> Cardiac ischemia</p> <p><input type="checkbox"/> Other</p>																																																																																																			

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
- 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

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**

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)

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