### STS Aorta Surgeon Worksheet v4.20.2

**Dissection Open Repair**

*Please Complete AV Worksheet for Combined Procedures*

#### Family history of disease of aorta:
- Aneurysm
- Dissection
- Both Aneurysm and Dissection
- Sudden Death
- Unknown
- None

#### Patient’s genetic history:
- Marfan
- Ehlers-Danlos
- Loeys-Dietz
- Non-Specific familial thoracic aortic syndrome
- Aortic Valve Morphology
- Turner syndrome
- Other
- Unknown
- None

#### Prior aortic intervention:
- Yes
- No
- Unknown (If Yes ↓)

### Location

<table>
<thead>
<tr>
<th>Location</th>
<th>Previous Repair Type</th>
<th>Current Procedure r/t Repair failure</th>
<th>Disease progression</th>
</tr>
</thead>
<tbody>
<tr>
<td>Root (Zone 0–A)</td>
<td>Open</td>
<td>Endovascular Hybrid (Yes/No)</td>
<td>Repair Type</td>
</tr>
<tr>
<td>Ascending (Zone 0–B&amp;C)</td>
<td>Open</td>
<td>Endovascular Hybrid (Yes/No)</td>
<td></td>
</tr>
<tr>
<td>Arch (Zones 1,2,3)</td>
<td>Open</td>
<td>Endovascular Hybrid (Yes/No)</td>
<td></td>
</tr>
<tr>
<td>Descending (Zones 4,5)</td>
<td>Open</td>
<td>Endovascular Hybrid (Yes/No)</td>
<td></td>
</tr>
<tr>
<td>Suprarenal abdominal (Zones 6,7)</td>
<td>Open</td>
<td>Endovascular Hybrid (Yes/No)</td>
<td></td>
</tr>
</tbody>
</table>

#### Rupture Location

<table>
<thead>
<tr>
<th>Zone 8,9,10,11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Endovascular Hybrid (Yes/No)</td>
</tr>
</tbody>
</table>

#### Current Procedure with Endoleak involvement:

- Type I → Ia-proximal
- Ib-distal
- Ic-iliac cooleuder
- Type Ia → Iila
- Iib
- Type III → IIIa
- IIb
- Type IV

#### Current Procedure with Aorta Infection

- Graft infection
- Valvular endocarditis
- Nonvalvular endocarditis
- Native aorta
- Multiple infection types

#### Current Procedure with Trauma

- Root
- Ascending
- Arch
- Descending
- Thoracoabdominal
- Abdominal

### Primary Presenting Symptom:

- Pain
- CHF
- Cardiac Arrest
- Syncope
- Infection
- Asymptomatic
- Injury related to Surgical Complication
- Neuro Deficit
- Other
- Unknown

(If Neuro Deficit→) Stroke Limb numbness Paralysis Hoarseness (acute vocal cord dysfunction)

### DISSECTION - PREPROCEDURAL INFORMATION

#### Timing:
- Hyperacute (<24 hrs)
- Acute (24hrs–<2weeks)
- Subacute (2weeks -<90 days)
- Chronic (90 days or more)
- Acute on Chronic
- Unknown

#### Dissection Date: ________________________________

#### Primary tear location:
- Below STJ
- STJ-midascending
- Midascending to distal ascending
- Zone 1
- Zone 2
- Zone 3
- Zone 4
- Zone 5
- Zone 6
- Zone 7
- Zone 8
- Zone 9
- Zone 10
- Zone 11

#### Proximal Dissection Extent:
- Below STJ
- STJ-midascending
- Midascending to distal ascending
- Zone 1
- Zone 2
- Zone 3
- Zone 4
- Zone 5
- Zone 6
- Zone 7
- Zone 8
- Zone 9
- Zone 10
- Zone 11

#### Distal Dissection Extent:
- Below STJ
- STJ-midascending
- Midascending to distal ascending
- Zone 1
- Zone 2
- Zone 3
- Zone 4
- Zone 5
- Zone 6
- Zone 7
- Zone 8
- Zone 9
- Zone 10
- Zone 11

#### Stanford Classification:
- Type A
- Type B
- Unknown
- Other

#### Retrograde dissection caused by Aortic Stent Graft (Post TEVAR):
- Patient within 30 days post TAVR

#### Malperfusion:
- Coronary
- Superior Mesenteric
- Right Subclavian
- Renal, Left
- Right Common Carotid
- Iliofemoral
- Left Subclavian
- Renal, Right
- Left Common Carotid
- Celiac
- Spinal

#### Lower Ext. Motor Function Deficit →
- Contained Location
- Weakness
- Paralysis

#### Lower Ext. Sensory Deficit

- Rupture

- Contained Location
- Rupture Location
  - Below STJ
  - STJ-midascending
  - Midascending to distal ascending
  - Zone 1
  - Zone 2
  - Zone 3
  - Zone 4
  - Zone 5
  - Zone 6
  - Zone 7
  - Zone 8
  - Zone 9
  - Zone 10
  - Zone 11

### Additional Anatomical Information
### Root Procedure
- Aorta-annular ectasia
- Asymmetric Root Dilation (if yes)
- Sinus of Valsalva aneurysm (if yes)

**Arch Anomalies Type(s):** select all that apply:
- □ Arch Type Right
- □ Aberrant Right Subclavian
- Kommerell/Ductus Bulge
- □ Variant vertebral origin
- □ Aberrant Left Subclavian
- □ Bovine

**Patent Internal Mammary Artery Bypass Graft**: □ Yes □ No □ N/A

**Ascension**: □ Asymmetric Dilatation □ Proximal coronary artery bypass grafts

### Measurements (Largest Diameter)

**Treated Zone with the Largest Diameter**:
- □ Below STJ □ STJ-midascending □ Midascending-distal ascending □ Zone 1 □ Zone 2 □ Zone 3
  - □ Zone 4 □ Zone 5 □ Zone 6 □ Zone 7 □ Zone 8 □ Zone 9 □ Zone 10 □ Zone 11

**Proximal to Treated Zone(s) (Largest Diameter)**:
- □ Below STJ □ STJ-midascending □ Midascending-distal ascending □ Zone 1 □ Zone 2 □ Zone 3
  - □ Zone 4 □ Zone 5 □ Zone 6 □ Zone 7 □ Zone 8 □ Zone 9 □ Zone 10 □ Zone 11

**Distal to Treated Zone(s) (Largest Diameter)**:
- □ Below STJ □ STJ-midascending □ Midascending-distal ascending □ Zone 1 □ Zone 2 □ Zone 3
  - □ Zone 4 □ Zone 5 □ Zone 6 □ Zone 7 □ Zone 8 □ Zone 9 □ Zone 10 □ Zone 11

### Procedure Information

**Root Procedure**
- Root Replacement with Coronary Ostial Reimplantation (If Yes)
  - Composite Valve Conduit (If Yes)
  - Mechanical
  - Stented Valve Conduit
  - Stentless Valve Conduit
  - Stentless Biologic Full Root
  - Homograft Root Replacement
  - Autograft with Native Pulmonary Valve (Ross)
  - Valve-sparing root operation (If Yes)
  - Reimplantation (David)
  - Remodeling (Yacoub)
  - Reconstruction (Florida Sleeve)

**Coronary Reimplantation (If Yes)**
- Direct to root prosthesis (Button)
- With vein graft extension (SVG Cabrol)
- With Dacron graft extension (Classic Cabrol)

**Replacement of non-coronary sinus** (Modified Wheat/Modified Yacoub)

**Intervention**
- Surgical Ascending/Arch Procedure (If Yes)
- Planned stage hybrid
  - Proximal Location: □ STJ-midascending □ Midascending to distal ascending □ Zone 1 □ Zone 2 □ Zone 3
  - Distal Technique □ Open □ Clamped
  - Distal Site → □ Ascending Aorta □ Hemiarch □ Zone 1 □ Zone 2 □ Zone 3 □ Zone 4
  - Distal Extension → □ Elephant Trunk □ Frozen Elephant Trunk □ No
  - □ Arch Branch Reimplantation (If Yes)
  - **Subclavian** → □ Right □ Left
  - **Common Carotid** → □ Right □ Left
    - □ Innominate □ Left Vertebral □ Other

**Open Descending Thoracic Aorta or Thoracoabdominal Procedure**
- Proximal Location: □ Reversal Hemiarch □ Zone 0 □ Zone 1 □ Zone 2 □ Zone 3 □ Zone 4 □ Zone 5 □ Zone 6 □ Zone 7 □ Zone 8 □ Zone 9
- Distal Location: □ Zone 3 □ Zone 4 □ Zone 5 □ Zone 6 □ Zone 7 □ Zone 8 □ Zone 9 □ Zone 10 □ Zone 11
- □ Intercostal reimplantation
- □ Visceral vessel intervention (If Yes)
  - □ Celiac → □ Reimplantation □ Branch Graft
  - □ Superior mesenteric → □ Reimplantation □ Branch Graft
  - □ Right renal → □ Reimplantation □ Branch Graft
  - □ Left renal → □ Reimplantation □ Branch Graft

### Additional Procedure Information
- □ Spinal drain placement → □ Pre-Aortic procedure □ Post-Aortic procedure
- □ IntraOp Motor Evoked Potential → Documented MEP abnormality → □ Yes □ No
- □ IntraOp Somatosensory Evoked Potential → Documented SEP abnormality → □ Yes □ No
- □ IntraOp EEG → Documented EEG abnormality → □ Yes □ No □ Unknown
- □ IVUS Performed Intra-Op
- □ IntraOp Transcutaneous Doppler Performed Intra-Op
- □ IntraOp Angiogram → Volume of Contrast _______ ml Fluoro time _______ min