**STS Aorta Surgeon Worksheet v4.20.2**

**Other Open Repair (Not Aneurysm or Dissection)**

*Please Complete AV Worksheet for Combined Procedures*

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

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

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

<table>
<thead>
<tr>
<th>Location</th>
<th>Previous Repair Type</th>
<th>Current Procedure r/t Repair failure (If Yes ↓)</th>
<th>Disease progression (If Yes ↓)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Root (Zone 0 – A)</td>
<td>Open</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Ascending (Zone 0 – B&amp;C)</td>
<td>Open</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Arch (Zones 1,2,3)</td>
<td>Open</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Descending (Zones 4,5)</td>
<td>Open</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Suprarenal abdominal</td>
<td>Open</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Infrarenal abdominal</td>
<td>Open</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Current Procedure with Endoleak involvement:
- □ Type I → □ Ia-proximal
- □ Ib-distal
- □ Ic-iliac occluder

### 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)

### Other - PREPROCEDURAL INFORMATION (Not Aneurysm or Dissection Cases)

#### Other Reason:
- □ Valvular Dysfunction
- □ Stenosis/Obstruction
- □ Intramural Hematoma
- □ Coarctation
- □ Endoleak
- □ Infection
- □ Injury related to Surgical Complication/Perforation
- □ Trauma

### Additional Anatomical Information

#### Root:
- □ Aorto-annular ectasia
- □ Asymmetric Root Dilation (if yes→)
- □ Right
- □ Left
- □ Non-coronary
- □ Sinus of Valsalva aortitis (if yes→)
- □ Right
- □ Left
- □ Non-coronary

#### 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

#### Ascending:
- □ 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

**Measurement________ mm**  **Method Obtained:**
- □ 3D or 4D Reconstruction
- □ PreOp CT
- □ PreOp MRI
- □ PreOp Echo
- □ Intra Operatively

#### 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

**Measurement________ mm**  **Method Obtained:**
- □ 3D or 4D Reconstruction
- □ PreOp CT
- □ PreOp MRI
- □ PreOp Echo
- □ Intra Operatively

#### 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

**Measurement________ mm**  **Method Obtained:**
- □ 3D or 4D Reconstruction
- □ PreOp CT
- □ PreOp MRI
- □ PreOp Echo
- □ Intra Operatively
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### 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)

- ☐ Major root reconstruction/debridement without coronary ostial reimplantation
- ☐ 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: Reverse Hemiarch
  - ☐ Zone 0
  - ☐ Zone 1
  - ☐ Zone 2
  - ☐ Zone 3
  - ☐ Zone 4
  - ☐ Zone 5
  - ☐ Zone 6
  - ☐ Zone 7
  - ☐ Zone 8
  - ☐ Zone 9
- ☐ Distal Location: 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 (Check all that apply):
- ☐ 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
- ☐ Endovascular Balloon Fenestration of the Dissection Flap:
  - ☐ PreOp
  - ☐ IntraOp
  - ☐ PostOp IntraOp