STS Aorta Surgeon Worksheet v4.20.2

Other Open Repair (Not Aneurysm or Dissection)

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	Previous Repair Type	Current Procedure r/t Repair failure (If Yes ↓)	Disease progression (If Yes ↓)
	Select all that apply	Select all that apply	Select all that apply
☐ Root (Zone 0 –A)	☐ Open ☐ Endovascular ☐ Hybrid	☐ Yes ☐ No	☐ Yes ☐ No
☐ Ascending (Zone 0 – B&C)	☐ Open ☐ Endovascular ☐ Hybrid	☐ Yes ☐ No	☐ Yes ☐ No
☐ Arch (Zones 1,2,3)	☐ Open ☐ Endovascular ☐ Hybrid	☐ Yes ☐ No	☐ Yes ☐ No
☐ Descending (Zones 4,5)	☐ Open ☐ Endovascular ☐ Hybrid	☐ Yes ☐ No	☐ Yes ☐ No
☐ Suprarenal abdominal (Zones 6,7)	☐ Open ☐ Endovascular ☐ Hybrid	☐ Yes ☐ No	☐ Yes ☐ No
☐ Infrarenal abdominal (Zone 8,9,10,11)	☐ Open ☐ Endovascular ☐ Hybrid	☐ Yes ☐ No	☐ Yes ☐ No

☐ **Current Procedure with Endoleak involvement:**	☐Type I → ☐Ia-proximal ☐ Ib-distal ☐ Ic-iliac occluder
	☐Type II → ☐ IIa ☐ IIb
	☐Type III → ☐ IIIa ☐ IIIb
	☐Type IV
	☐Type II
☐**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 aneurysm (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 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 (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