

## STS Aorta Surgery Worksheet V2.9

**Identify procedural location using graph letters A-N →**

For Aneurysms

**Aneurysm Location:** \_\_\_\_\_  
 (area of largest circumference of aneurysm – most proximal zone if largest circumference spans two or more zones)

For Dissections↓

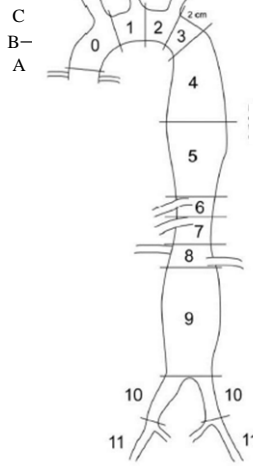
(Select all that apply and fill in location)

- Primary Tear Location:** \_\_\_\_\_
- Secondary Tear Location:** \_\_\_\_\_
- Retrograde Extension Location:** \_\_\_\_\_
- Distal Extension Location:** \_\_\_\_\_
- Rupture Location:** \_\_\_\_\_
- Rupture Contained:**  Yes  No

For Open Descending Thoracic Aorta or Thoracoabdominal Procedures↓

**Proximal Location:** \_\_\_\_\_  Reverse Hemi

**Distal Location:** \_\_\_\_\_



- A. Below sinotubular junction
- B. Sinotubular junction to mid ascending
- C. Mid ascending to distal ascending
- D. Zone 1 (between innominate and left carotid)
- E. Zone 2 (between left carotid and left subclavian)
- F. Zone 3 (first 2 cm. distal to left subclavian)
- G. Zone 4 (end of zone 3 to mid descending aorta ~ T6)
- H. Zone 5 (mid descending aorta to celiac)
- I. Zone 6 (celiac to superior mesenteric)
- J. Zone 7 (superior mesenteric to renals)
- K. Zone 8 (renal to infra-renal abdominal aorta)
- L. Zone 9 (infrarenal abdominal aorta)
- M. Zone 10 (common iliac)
- N. Zone 11 (external iliacs)

For Endovascular Procedures↓

**Proximal Location:** \_\_\_\_\_

**Distal Location:** \_\_\_\_\_

Intra OP↓

**Unintentional Rupture of dissection septum**

**Location:** \_\_\_\_\_

↓ PLEASE COMPLETE THE FOLLOWING SECTIONS ↓

<b>Presentation</b>	<b>Endoleak↓</b>	<input type="checkbox"/> Type I (leak at graft attachment site) → Location: <input type="checkbox"/> Ia-proximal <input type="checkbox"/> Ib – distal <input type="checkbox"/> Ic – iliac occluded <input type="checkbox"/> Type II (aneurysm sac filling via branch vessel) → Number of vessel: <input type="checkbox"/> IIa – single vessel <input type="checkbox"/> IIb – two vessels or more <input type="checkbox"/> Type III (leak defect in graft) → Graft defect type: <input type="checkbox"/> IIIa – junctional separation of modular components <input type="checkbox"/> IIIb – endograft fractures/holes <input type="checkbox"/> Type IV (leak through graft fabric) <input type="checkbox"/> Type V (endotension – expansion aneurysm sac without leak)
	<b>Aneurysm↓</b>	<b>Etiology:</b> <input type="checkbox"/> Atherosclerosis <input type="checkbox"/> Infection <input type="checkbox"/> Inflammatory <input type="checkbox"/> Connective Tissue Disorder <input type="checkbox"/> Penetrating Ulcer <input type="checkbox"/> Pseudoaneurysm <input type="checkbox"/> Mycotic <input type="checkbox"/> Traumatic transection <input type="checkbox"/> Intercostal visceral patch <input type="checkbox"/> Anastomotic site  <b>Type:</b> <input type="checkbox"/> Fusiform <input type="checkbox"/> Saccular <b>Rupture:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No
	<b>Dissection↓</b>	<b>Timing:</b> <input type="checkbox"/> Hyper-acute (<48hrs) <input type="checkbox"/> Acute (48hrs-2wks) <input type="checkbox"/> Sub-acute (>2wks-90days) <input type="checkbox"/> Chronic (>90days) <input type="checkbox"/> Acute on Chronic  <b>Malperfusion:</b> <input type="checkbox"/> Yes (If Yes ↓) <input type="checkbox"/> No If Yes → <b>Subclavian</b> → <input type="checkbox"/> Right <input type="checkbox"/> Left <b>Common Carotid</b> → <input type="checkbox"/> Right <input type="checkbox"/> Left <b>Renal</b> → <input type="checkbox"/> Right <input type="checkbox"/> Left <input type="checkbox"/> Coronary <input type="checkbox"/> Celiac <input type="checkbox"/> Superior Mesenteric <input type="checkbox"/> Iliofemoral <input type="checkbox"/> Spinal
	<b>Infection (if yes→)</b> <input type="checkbox"/> Graft infection <input type="checkbox"/> Valvular endocarditis <input type="checkbox"/> Nonvalvular endocarditis <input type="checkbox"/> Native aorta <input type="checkbox"/> Multiple infection types	
	<b>Trauma (if yes→)</b> <input type="checkbox"/> Root <input type="checkbox"/> Ascending <input type="checkbox"/> Arch <input type="checkbox"/> Descending <input type="checkbox"/> Thoracoabdominal <input type="checkbox"/> Abdominal	
<b>Root:</b> <input type="checkbox"/> Aorto-annular ectasia <input type="checkbox"/> Asymmetric Root Dilatation (if yes→) <input type="checkbox"/> Right <input type="checkbox"/> Left <input type="checkbox"/> Non-coronary <input type="checkbox"/> Sinus of Valsalva aneurysm (if yes→) <input type="checkbox"/> Right <input type="checkbox"/> Left <input type="checkbox"/> Non-coronary		
<b>Arch Type:</b> <input type="checkbox"/> Right <input type="checkbox"/> Left <input type="checkbox"/> Aberrant subclavian: → <input type="checkbox"/> Right <input type="checkbox"/> Left / <input type="checkbox"/> Kommerell / <input type="checkbox"/> Bovine / <input type="checkbox"/> Variant vertebral origin / <input type="checkbox"/> Patent IMA bypass graft		
<b>Ascending:</b> <input type="checkbox"/> Asymmetric Dilatation <input type="checkbox"/> Proximal coronary artery bypass grafts		

